

Technical Memorandum

To: Jason Smith, Tecumseh Products Company

From: Stacy Metz and Graham Crockford, TRC

Subject: Summary of the First Quarter 2018 Monitoring Well Installation and Sampling Event:
Former Tecumseh Products Company Site in Tecumseh, Michigan
(RCRA-05-2010-0012)

Date: May 23, 2018

cc: Chris DeWetter, Tecumseh Products Company
Douglas McClure, Conlin, McKenney & Philbrick, PC

Project No.: 297903.0000.0000 and 004304.0001.0000, Phase 2

Tecumseh Products Company (TPC) retained TRC Environmental Corporation (TRC), to investigate soil and groundwater conditions at the former TPC site located in Tecumseh, Michigan. TRC is assisting TPC with investigative activities for the site in accordance with the RCRA Administrative Order on Consent ("AOC") (RCRA 05-2010-0012).

Extensive investigation activities have been conducted to define the nature and extent of groundwater contamination in the vicinity of the site. Results of previous investigation activities were documented as they became available in a series of technical memoranda and reports. Prior to the First Quarter 2018, these investigation activities included the installation of 85 groundwater monitoring wells, and 18 temporary monitoring points. This Technical Memorandum documents well installation and sampling activities conducted during the first quarter of 2018 and the associated data quality review.

Summary of Sampling Program

The Revised Corrective Measures Proposal (CMP), which was submitted the USEPA on March 6, 2017, included a revised groundwater and surface water monitoring program. This revised program is described in Section 13 and summarized in Table 14 of the Revised CMP. This monitoring program was updated in September 2017 to include additional groundwater and pore water sample locations as described in the Groundwater-Surface Water Interface Performance Monitoring Plan (GSI PMP). On January 23, 2018, the USEPA issued a letter titled "EPA Conditional Approval of Groundwater-Surface Water Interface Performance Monitoring Plan" (GSI PMP Conditional Approval). USEPA comments provided in the GSI PMP Conditional Approval were discussed with USEPA on February 1, 2018. The GSI PMP was revised to address USEPA comments provided in the GSI PMP Conditional Approval. The Revised GSI PMP was submitted on February 22, 2018. Those revisions

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included preparation of a second revision to the groundwater and surface water monitoring program. The current revision of the monitoring program is summarized in Table 1 of this technical memorandum. Prior to implementation of the proposed corrective measures, sampling activities are completed at the existing sample locations included in the sampling program for the “enhanced *in situ* bioremediation and 2-year verification period.” Additionally, the GSI PMP Conditional Approval specified that proposed “wells related to the GSI Monitoring Plan must be installed as soon as practicable.” As such, the nine proposed monitoring wells located from downgradient perimeter of the site to the GSI discharge area were installed during the first quarter 2018, prior to the completion of groundwater and surface water sampling activities.

Summary of Field Activities

Monitoring Well Installation Activities

In order to facilitate the USEPA’s request to evaluate data along the flow path from the source area to the compliance monitoring points located in the downgradient wetland, nine monitoring wells were installed between March 12, 2018 and March 16, 2018 (MW-45d, MW-48s, MW-49s, MW-49d, MW-50s, MW-50i, MW-50d, MW-51, and PRB-02i). Monitoring well locations are illustrated on Figure 1.¹

Soil boring and well installation activities were completed by Stearns Drilling under the oversight of TRC. A soil boring was advanced at each well location prior to well installation using direct push techniques. Soil samples were collected from targeted intervals using 5-foot long direct push soil sampling rods and classified by a TRC field geologist using the Unified Soil Classification System (USCS) and, where applicable, screened for volatile organic compounds (VOCs) using a photo ionization detector (PID). Saturated soils and previously screened soils were not screened for VOCs during this event. The criteria used to determine the target soil sample intervals for field classification are outlined below:

- Locations where soils had not been logged previously (e.g., MW-48s): Soils were logged continuously to the total monitoring well depth.
- Locations with soils previously logged to a depth less than the target well depth: Soil at MW-45d had previously been logged to the depth corresponding to the nested, shallower monitoring wells (MW-45i). At this location soils were logged continuously from the depth of the previous boring to the total monitoring well depth.
- Locations with soils previously logged to the total boring depth: Monitoring well MW-49s/d, MW-50s/i/d and MW-51 were installed at previous investigation locations B-86, B-134 and B-139, respectively. At these locations, soils were logged to confirm

¹ Monitoring wells are named sequentially; as such the monitoring wells which were previously designated MW-52s and MW-52d in the CMP and GSI PMP were assigned the names MW-49s and MW-49d to avoid a non-sequential naming scheme. The on-site monitoring wells previously designated MW-49i and MW-49d (which have not yet been installed) have been re-designated as monitoring wells MW-52i and MW-52d in Table 1.

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the depth to groundwater and depth of the underlying clay confining unit during well installation activities.

Monitoring wells designated with an "s", e.g., MW-48s, were installed such that the well screen straddles the water table. Monitoring wells designated with a "d", e.g., MW-49d were installed such that the bottom of the well screen is at the interface of the underlying clay confining unit. Monitoring wells designated with an "i", e.g., MW-50i are screened through the intermediate portion of the aquifer. At locations with a saturated thickness of 8 feet or less no "s", "i" or "d" designator is assigned.

Each of the monitoring wells was constructed through Geoprobe® rods using factory-packaged 2-inch diameter schedule 40 PVC casing and a 5-foot long PVC 0.010-inch mill-slotted screen. The filter pack at each location is comprised of medium well sand and/or the collapse of the saturated, flow-able native sandy soils. The filter pack extends to at least 2 feet above the well screen. Above the filter pack, a bentonite seal was installed in the well annulus to 1 ft-bgs. Each well was finished using an 8-inch flush-mount manhole set in a 0.5 to 1-foot-thick concrete pad. Soil boring logs and well construction diagrams are included in Attachment 1.

Sampling Activities

The first quarter sampling activities were completed between March 20 and March 21, 2018. During the first quarter 2018 sampling event, groundwater and surface water samples were collected for VOCs analysis using low-flow sampling techniques as outlined below. Sample locations are shown on Figure 1.

- Collection of groundwater samples at surface water compliance monitoring well locations, which include MW-42s, MW-42d, MW-46d, and MW-47d;
- Collection of groundwater samples at perimeter and off-site monitoring well locations up gradient of the GSI discharge area, which include MW-45s, MW-45i, MW-45d, MW-48s, MW-49s, MW-49d, MW-50s, MW-50i, MW-50d, MW-51, and PRB-02i;
- Measurement of the following field parameters at groundwater sample locations: pH, specific conductivity, redox potential, dissolved oxygen (DO), turbidity and temperature;
- Collection of surface water samples at surface water compliance locations including three seep sample locations and three pore water sample locations;
- Measurement of the following field parameters at pore water sample locations: pH, specific conductivity, redox potential, total dissolved solids (TDS), and temperature;
- Analysis of all groundwater and surface water samples for VOCs by USEPA Method 8260B at Pace Analytical (Pace) of Grand Rapids, Michigan, formerly known as TriMatrix Laboratories, Inc.

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Summary of Groundwater and Surface Water Data

Groundwater elevation data were collected at each of the monitoring wells sampled in March 2018. Water levels measured during March 2018 were consistent (within 1 foot) with previous measurements. Groundwater elevation data collection began in March 2009 when the first monitoring wells were installed. Groundwater elevation data from the past two years, including March 2018, are provided in Table 2. Historic data (prior to fourth quarter 2015) were previously reported to USEPA.

Field data at monitoring wells (pH, specific conductivity, redox potential, DO, turbidity and temperature) and at pore water sample locations (pH, specific conductivity, redox potential, TDS, and temperature) are provided in Tables 3 and 4, respectively. Laboratory analytical data are provided in Attachment 2. These data were compared to relevant site-specific groundwater and surface water cleanup levels as summarized in Tables 5 through 7 of the Revised CMP. Sampling results for chlorinated constituents of potential concern are summarized in Table 5 (on-site groundwater), Table 6 (off-site groundwater), and Table 7 (surface water compliance monitoring locations including GSI monitoring wells, pore water and surface water sampling locations). Tables 3 through 7 include data from the 12 most recent sampling events completed at each of the current monitoring locations. Historic data were previously reported to USEPA. Tables inclusive of all historic monitoring well and surface water data through Fourth Quarter 2017 were included in the January 4, 2018 Technical Memorandum titled, "Summary of the Fourth Quarter 2017 Groundwater Monitoring Event: Former Tecumseh Products Company Site in Tecumseh Michigan (RCRA-05-2010-00012)"

On-Site Groundwater

On-site chlorinated volatile organic compound (CVOC) concentrations in groundwater were compared to the site-specific Concentrations Protective of the Hypothetical Drinking Water Pathway, Concentrations Protective of Non-Residential Groundwater Volatilization to Indoor Air, and Concentrations Protective of the Hypothetical Direct Contact with Groundwater (Excavation Worker) in Table 5 of the Revised CMP. Five on-site/perimeter wells were sampled during first quarter 2018 sampling event (MW-45s, MW-45i, MW-45d, MW-48s and PRB-02i).

Consistent with historic sampling results, the concentrations remain above concentrations protective of the hypothetical drinking water pathway at the large majority of on-site sampling locations, including newly installed wells MW-45d, MW-48s and PRB-02i. Historically, only a few wells located along the perimeter of the plume do not exceed these concentrations: PRB-11s (lateral extent to the south), MW-36d and MW-39d (vertical extent at depth through the central portion of the site). Monitoring well PRB-08s, located downgradient to the permeable reactive barrier has concentrations that oscillate around these values. Note that monitoring wells PRB-11s, MW-36d, MW-39d, and PRB-08s were not sampled during the first quarter 2018 sampling event. As described in the CMP, groundwater concentrations well above the values protective of the hypothetical drinking water pathway provide the basis for institutional controls which prevent the current and future use of on-site groundwater as drinking water.

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Historically, concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) have been above concentrations protective of non-residential groundwater volatilization to indoor air at several locations including: MW-04s (TCE), MW-04i (TCE), MW-32s (TCE) MW-35i (TCE), MW-39s (TCE), MW-44s (PCE and TCE), MW-45s (PCE and TCE), and PRB-12s (TCE). These exceedences, in conjunction with on-site soil contamination provide the basis for the on-site institutional control which requires a vapor intrusion evaluation and/or mitigation of all current and future occupied structures. Of these locations, only monitoring well MW-45s was sampled during the first quarter 2018 sampling event. During this sampling event, concentrations at monitoring well MW-45s were consistent with historic results, and remained above the PCE and TCE concentrations protective of non-residential groundwater volatilization to indoor air.

Consistent with historic data, no exceedences of the concentrations protective of the hypothetical direct contact with groundwater were observed.

Off-Site Groundwater

Off-site CVOC concentrations in groundwater were compared to the site -specific Concentrations Protective of the Hypothetical Residential and Non-Residential Drinking Water Pathway and site-specific Cleanup Levels Protective of Residential and Non-Residential Groundwater Volatilization to Indoor Air (VIACLs) specified in Table 6 of the Revised CMP. Six newly installed off-site monitoring wells were sampled during first quarter 2018 sampling event (MW-49s, MW-49d, MW-50s, MW-50i, MW-50d, and MW-51).

As expected based on grab groundwater sample data collected at soil borings B-86, B-134, and B-139, which correspond to the locations of MW-49s/d, MW-50s/i/d, and MW-51, groundwater concentrations at all of these locations are above the concentrations protective of the hypothetical residential and non-residential drinking water pathways. As described in the Revised CMP, these exceedences at locations within the southern contaminant plume, as well as exceedences at locations within the northern contaminant plume (not sampled this quarter) provide the basis for the institutional control which prevents the current and future use of off-site groundwater as drinking water within the area of affected groundwater.

Also expected, based on previous grab groundwater sample data, groundwater concentrations at all of the newly installed off-site wells also exceed one or more VIACLs. At MW-50s the TCE concentration is below VIACLs; however, the cis-1,2-dichloroethene (cis-DCE) concentration exceeds the residential VIACL. The presence of elevated concentrations of degradation products at this location in conjunction with the absence of parent compounds likely reflects the effect of the up gradient permeable reactive barrier (PRB). At MW-50i and MW-50d TCE is present at concentrations above VIASLs; however, the cis-DCE concentrations are much lower (below VIASLs). Further downgradient at MW-51, concentrations of both TCE and cis-DCE exceed VIASLs. At the locations furthest downgradient, MW-49s and MW-49d, TCE concentrations exceed both the residential and non-residential VIACLs. In 2017, a human health risk assessment was completed which demonstrated that current human

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exposures, including off-site exposures due to vapor intrusion are under control. As described in the Revised CMP, on-site groundwater treatment has been proposed to address potential future exposures resulting from exceedences off-site residential and non-residential VIACLS.

Surface Water Compliance Monitoring Locations

Groundwater, pore water, and surface water samples collected in and adjacent to the downgradient wetland are compared to the site-specific Cleanup Levels Protective of All Receptors/Pathways at the Wetland, Cleanup Levels Protective of All Receptors/Pathways at the River Raisin, and Cleanup Levels Protective of Direct Contact with Surface Water (Recreational User) specified in Table 7 of the Revised CMP, as revised in February 2018. The observed concentrations are generally consistent with those observed during previous sample events. Concentrations of TCE, cis-DCE and/or vinyl chloride remain above cleanup levels protective of all receptors/pathways at the wetland are observed at MW-42s, MW-42d, MW-46d, SP-01, SP-02 and SP-03. The vinyl chloride concentration at PW-07 oscillates around this level. Additionally, the TCE concentration at SP-02 exceeds the cleanup levels protective of direct contact with surface water (recreational user). Note that these cleanup levels are relevant to water bodies which are large enough for regular recreational use, the size and volume of water in the wetland seeps (including sample location SP-02) do not match the exposure assumptions used to determine these cleanup levels.² Concentrations at all locations remain below cleanup levels protective of all receptors/pathways at the River Raisin.

As described in the Revised CMP, on-site groundwater treatment has been proposed to address exceedences of the surface water cleanup levels. In the interim, concentrations above cleanup levels protective of all receptors/pathways at the wetland are acceptable as long as concentrations at all surface water compliance locations remain below cleanup levels protective of all receptors/pathways at the River Raisin.

Data Quality Assurance

Field Data

Field data were reviewed in accordance with the Quality Assurance Project Plan for the site. TRC field personnel collected water quality data (pH, specific conductivity, redox potential, DO, turbidity, TDS, and temperature) consistent with the sampling plan described above. The data quality objectives for the field data were met and the data are usable.

Laboratory Data

Fifteen groundwater samples, two duplicate samples, and six surface water samples were collected by TRC from March 20 through March 21, 2018. These twenty-three samples, as well

² The exposure assumptions include 24 days per year, 1 exposure event per day, an exposure duration of 1 hour per event, an incidental injection rate of 3.7 milliliters per hour, and a dermal contact area of 6,032 square centimeters for adults/2,690 square centimeters for children.

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as one trip blank and one equipment blank, were analyzed by Pace Analytical, located in Grand Rapids, Michigan for VOCs analysis by USEPA Method 8260B. A Level II data package was provided. TRC performed data quality review on the laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for data quality review of the analytical data. The complete laboratory data quality review report is included as Attachment 3.

Ongoing Monitoring Activities

The Revised CMP, which was submitted to the USEPA on March 6, 2017, included a revised groundwater and surface water monitoring program. This revised program is described in Section 13 and summarized in Table 14 of the Revised CMP. USEPA conditionally approved the Revised CMP on December 18, 2017, contingent on preparation of a revised monitoring plan as discussed with USEPA and Michigan Department of Environmental Quality (MDEQ) in September 2017.

As a component of the September 2017 GSI PMP, the groundwater and surface water monitoring program was updated to include additional groundwater and pore water sample locations as requested by the MDEQ in their groundwater to surface water mixing zone determination. On January 23, 2018, the USEPA conditionally approved the GSI PMP. As an outcome of that Conditional Approval, the GSI PMP was revised to address USEPA comments. The Revised GSI PMP, which was submitted on February 22, 2018, included a revised groundwater and surface water monitoring program which is summarized in Table 1 of this technical memorandum. Prior to implementation of the proposed corrective measures, quarterly sampling activities will be completed at surface water compliance locations and the associated up gradient monitoring wells. Semi-annual sampling activities will be completed at the remaining existing sample locations included in the sampling program for the “enhanced *in situ* bioremediation and 2-year verification period.”

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Tables

Table 1
Site-Wide Performance Monitoring Plan
Sampling Locations, Sampling Parameters and Sampling Frequency
Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer (ft)	Estimated Depth to Clay (ft)	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site North										
*NEW-01	19-32	14	32	1, 2, 3	Q	Q	Q			
NEW-02	28-46	23	46	1, 2	Q	Q	Q			
*MW-02s	23-28	23	45	1, 2, 3	Q	SA		SA	SA	
*MW-02i	32-37	23	45	1, 2, 3	Q	Q		SA	SA	
*MW-03s	9-14	9	28	3	Q	SA		SA	SA	
*MW-03d	23-28	9	28	3	Q	Q		SA	SA	
*MW-04s	15-20	15	35	1, 2, 3	Q	Q		SA	SA	
*MW-04i	21.5-26.5	15	35	1, 2, 3	Q	Q		SA	SA	
MW-32s	23-28	23	39	1, 2	Q	SA		SA	SA	
MW-32d	35-40	23	39	1, 2	Q	SA		SA	SA	
MW-36s	16.3-21.3	16	35	4	Q	SA		SA	SA	
MW-36d	31-36	16	35	4	Q	SA		SA	SA	
MW-53s	23-28	23	48	1, 2	Q	Q	SA	SA	SA	
MW-53i	27-32	23	48	1, 2	Q	Q	SA	SA	SA	
MW-53d	43-48	23	48	1, 2	Q	Q	SA	SA	SA	
*MW-54s	21-26	21	41	1, 2, 3	Q	Q		SA	SA	
*MW-54i	27-32	21	41	1, 2, 3	Q	Q		SA	SA	
MW-55s	21-26	21	44	1, 2	Q	Q	SA	SA	SA	
MW-55i	28-33	21	44	1, 2	Q	Q	SA	SA	SA	
MW-55d	39-44	21	44	1, 2	Q	Q	SA	SA	SA	
*MW-56s	13-18	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-56i	19-24	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-56d	27-32	13	32	1, 2, 3	Q	Q	SA	SA	SA	
*MW-57s	7-12	7	30	3	Q	Q		SA	SA	
MW-57d	TBD	7	30	3	Q	Q		SA	SA	

Notes:

Purpose:

- 1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.
- 2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.
- 3) At downgradient / side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.
- 4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.
- 5) Side gradient / downgradient of treatment area to verify plume stability
- 6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.
- 7) Compliance monitoring point for discharge to surface water.

Green shading designates wells that are not yet installed. Proposed wells will be installed on a schedule discussed and agreed to with USEPA.

*An asterisk is used to designate monitoring wells located along the site perimeter.

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will include dissolved oxygen, oxidation-reduction potential, pH, dissolved ferrous and ferric iron, alkalinity, chloride, sulfate, nitrate, dissolved methane, dissolved ethane, and dissolved ethene.

Anticipated sampling frequency is designated as Q = Quarterly, SA = Semi-Annually, or A = Annually. Actual sampling frequency and proposed changes to the established sampling frequency will be discussed and agreed to with USEPA prior to implementation.

TBD = To be determined. The screened interval will be selected to align with highest concentrations determined through groundwater profile sampling.

This sampling program is expected to be a working document which may be modified as discussed and agreed to with USEPA to meet project objectives.

Table 1
Site-Wide Performance Monitoring Plan
Sampling Locations, Sampling Parameters and Sampling Frequency
Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer (ft)	Estimated Depth to Clay (ft)	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site North (Continued)										
MW-62s	21-26	21	35	4	Q	Q		SA	SA	
MW-62d	30-35	21	35	4	Q	Q		SA	SA	
MW-65d	34-39	20	39	1, 2	Q	Q		SA	SA	
Groundwater Off-Site North										
MW-10d	14-19	10	19	5	SA	A		SA	A	
MW-12s	12-17	12	38	5	SA	A		SA	A	
MW-12d	33-38	12	38	5	SA	A		SA	A	
MW-23	17-22	15	24	6	SA	SA		SA	SA	
MW-24s	18.5-23.5	19	44	5	SA	A		SA	A	
MW-24d	39-34	19	44	5	SA	A		SA	A	
MW-30s	11-16	10	30.5	5	SA	A		SA	A	
MW-30d	25.5-30.5	10	30.5	5	SA	A		SA	A	
MW-43s	9-14	13	39	6	SA	SA		SA	SA	
MW-58s	15-20	15	44	6	SA	SA		SA	SA	
MW-59s	14-19	14	35	6	SA	SA	A	SA	SA	A
MW-59i	22-27	14	35	6	SA	SA	A	SA	SA	A
MW-59d	30-35	14	35	6	SA	SA	A	SA	SA	A
MW-60s	12-17	12	35	6	SA	SA	A	SA	SA	A
MW-60i	22-27	12	35	6	SA	SA	A	SA	SA	A
MW-60d	30-35	12	35	6	SA	SA	A	SA	SA	A
MW-61s	12-17	12	29	6	SA	SA		SA	SA	
MW-61i	18-23	12	29	6	SA	SA		SA	SA	
MW-61d	24-29	12	29	6	SA	SA		SA	SA	

Notes:

Purpose:

- 1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.
- 2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.
- 3) At downgradient / side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.
- 4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.
- 5) Side gradient / downgradient of treatment area to verify plume stability
- 6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.
- 7) Compliance monitoring point for discharge to surface water.

Green shading designates wells that are not yet installed. Proposed wells will be installed on a schedule discussed and agreed to with USEPA.

*An asterisk is used to designate monitoring wells located along the site perimeter.

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Tecumseh, Michigan

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					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site South										
SEW-01	23-48	18	48	1, 2, 3	Q	Q	Q			
*SEW-02	12-36	7	36		Q	Q	Q			
SEW-03	23-38	18	38	1, 2, 3	Q	Q	Q			
MW-34s	23-28	23	49	1, 2	Q	SA		SA	SA	
MW-35i	20.7-22.7	15	44.5	1, 2	Q	SA		SA	SA	
MW-35d	42.8-44.8	15	44.5	1, 2	Q	SA		SA	SA	
MW-37s	25.4-30.4	24	35	1, 2	Q	SA		SA	A	
MW-39s	15.7-20.7	15	39	1, 2	Q	SA		SA	SA	
MW-39d	34.1-39.1	15	39	1, 2	Q	SA		SA	SA	
MW-44s	8.5-13.5	8	38	1, 2	Q	Q	SA	SA	SA	
MW-44i	19.4-24.1	8	38	1, 2	Q	Q	SA	SA	SA	
MW-44d	33-38	8	38	1, 2	Q	Q	SA	SA	SA	
*MW-45s	7-12	7	35	1, 2, 3				SA	SA	
*MW-45i	18.1-23.1	7	35	1, 2, 3				SA	SA	
*MW-45d	31-36	7	35	1, 2, 3				SA	SA	
*MW-48s	7.75-12.75	7	37	1, 2, 3	Q	Q		SA	SA	
MW-52i	21-26	9	40	1, 2	Q	Q		SA	SA	
MW-52d	35-40	9	40	1, 2	Q	Q		SA	SA	
MW-63s	20-25	20	49	1, 2	Q	Q	SA	SA	SA	
MW-63i	29-34	20	49	1, 2	Q	Q	SA	SA	SA	
MW-63d	44-49	20	49	1, 2	Q	Q	SA	SA	SA	
MW-64s	17-22	17	44	1, 2	Q	Q		SA	SA	
MW-64i	25-30	17	44	1, 2	Q	Q		SA	SA	
MW-64d	38-43	17	44	1, 2	Q	Q		SA	SA	

Notes:

Purpose:

- 1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.
- 2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.
- 3) At downgradient / side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.
- 4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.
- 5) Side gradient / downgradient of treatment area to verify plume stability
- 6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.
- 7) Compliance monitoring point for discharge to surface water.

Green shading designates wells that are not yet installed. Proposed wells will be installed on a schedule discussed and agreed to with USEPA.

*An asterisk is used to designate monitoring wells located along the site perimeter.

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will include dissolved oxygen, oxidation-reduction potential, pH, dissolved ferrous and ferric iron, alkalinity, chloride, sulfate, nitrate, dissolved methane, dissolved ethane, and dissolved ethene.

Anticipated sampling frequency is designated as Q = Quarterly, SA = Semi-Annually, or A = Annually. Actual sampling frequency and proposed changes to the established sampling frequency will be discussed and agreed to with USEPA prior to implementation.

TBD = To be determined. The screened interval will be selected to align with highest concentrations determined through groundwater profile sampling.

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Table 1
Site-Wide Performance Monitoring Plan
Sampling Locations, Sampling Parameters and Sampling Frequency
Tecumseh Products Company Site
Tecumseh, Michigan

Groundwater / Surface Water Sample Location	Approximate Screened Interval (ft bgs)	Estimated Depth to Top of Aquifer (ft)	Estimated Depth to Clay (ft)	Purpose (See Notes)	During Implementation of EISB and 2 Year Verification Period			MNA & Post Verification		
					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Groundwater On-Site South (Continued)										
*PRB-01s	6-11	7	35	3	Q	SA		SA	SA	
*PRB-02s	6-11	7	33	3	Q	SA		SA	SA	
*PRB-02i	17-22	7	33	3	Q	Q		SA	SA	
*PRB-08s	6-11	7	34	3	Q	SA		SA	SA	
*PRB-08d	18.5-23.5	7	34	3	Q	SA		SA	SA	
*PRB-11s	15-20	16	50	3	Q	SA		SA	SA	
*PRB-12s	15-20	16	50	1, 2, 3	Q	SA		SA	SA	
PRB-15d	29-34	16	47	1, 2	Q	SA		SA	SA	
PRB-16s	5-10	7	34	2	Q	SA		SA	SA	
Groundwater Off-Site South										
MW-14d	37.5-42.5	30	42.5	5	SA	A		SA	A	
MW-17s	3-8	5	6	5	SA	A		SA	A	
MW-20s	6-11	5	43.5	6	SA	SA		SA	SA	
MW-20i	22-27	5	43.5	6	Q	Q		SA	SA	
MW-20d	38.5-43.5	5	43.5	6	SA	SA		SA	SA	
MW-21	28.5-33.5	29	32	6	SA	A		SA	A	
MW-38s	9-14	9	14	6	SA	A		SA	SA	
MW-38d	28.8-33.8	15	33.5	6	SA	A		SA	SA	
MW-41	3.3-6.3	2	7	5	SA	SA		SA	A	
MW-49s	28.5-33.5	29	38.5	6	Q	Q	A	SA	SA	A
MW-49d	34.25-39.25	29	38.5	6	Q	Q	A	SA	SA	A
MW-50s	11-16	13	38	6	Q	Q	A	SA	SA	A
MW-50i	22-27	13	38	6	Q	Q	A	SA	SA	A
MW-50d	33.5-38.5	13	38	6	Q	Q	A	SA	SA	A
MW-51	32.5-37.5	29	36	6	Q	Q	A	SA	SA	A

Notes:

Purpose:

- 1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.
- 2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.
- 3) At downgradient / side gradient property boundary. Point of compliance to verify effectiveness of active on-site soil and groundwater treatment. Cleanup levels are protective of off-site vapor intrusion pathway.
- 4) Side gradient / up gradient monitoring point beyond the active EISB treatment area.
- 5) Side gradient / downgradient of treatment area to verify plume stability
- 6) Monitoring point to verify contaminant mass reduction within the MNA treatment area. Target concentrations are the cleanup level protective of the off-site vapor intrusion pathway.
- 7) Compliance monitoring point for discharge to surface water.

Green shading designates wells that are not yet installed. Proposed wells will be installed on a schedule discussed and agreed to with USEPA.

*An asterisk is used to designate monitoring wells located along the site perimeter.

VOCs = Volatile Organic Compounds

MNA = Monitored Natural Attenuation. MNA parameters will include dissolved oxygen, oxidation-reduction potential, pH, dissolved ferrous and ferric iron, alkalinity, chloride, sulfate, nitrate, dissolved methane, dissolved ethane, and dissolved ethene.

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Sampling Locations, Sampling Parameters and Sampling Frequency
Tecumseh Products Company Site
Tecumseh, Michigan

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					Water Level	VOCs	MNA	Water Level	VOCs	MNA
Surface Water Compliance										
MW-42s	3.0-6.0	0	8.6	6, 7	Q	Q		SA	SA	
MW-42d	5.6-8.6	0	8.6	6, 7	Q	Q		SA	SA	
MW-46d	5.0-8.0	0	8.0	6, 7	Q	Q		SA	SA	
MW-47d	7.4-10.4	0	10.4	6, 7	Q	Q		SA	SA	
PW-01	1-2	0	NA	5, 7		Q			SA	
PW-04	1-2	0	NA	5, 7		Q			SA	
PW-07	1-2	0	NA	5, 7		Q			SA	
SP-01	NA	NA	NA	6, 7		Q			SA	
SP-02	NA	NA	NA	6, 7		Q			SA	
SP-03	NA	NA	NA	6, 7		Q			SA	

Notes:

Purpose:

- 1) Monitoring point to evaluate the progress of conditions favorable to EISB through treatment cells. Objective is to observe DO, ORP, pH favorable to ERD.
- 2) Monitoring point to verify contaminant mass reduction within the EISB recirculation cell. Cleanup objective is to observe decreasing constituent of concern concentrations.
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Table 2
 Summary of Groundwater Elevations at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Groundwater Elevation (ft MSL)							
		3/20/2018	11/20/2017	5/15/2017	1/23/2017	11/21/2016	7/25/2016	4/20/2016	11/30/2015
MW-02s	802.14	--	778.17	779.26	--	777.84	--	778.39	778.26
MW-03s	787.00	--	777.56	778.47	--	777.20	--	777.80	777.57
MW-04s	794.42	--	777.78	778.80	--	777.39	--	778.07	777.78
MW-04i	794.29	--	777.80	778.81	777.64	777.38	777.81	778.09	777.81
MW-10s	788.65	--	776.67	--	--	776.20	--	777.10	776.50
MW-10d	788.40	--	775.32	--	--	775.03	--	775.97	775.30
MW-11s	809.64	--	778.54	--	--	778.42	--	778.83	778.86
MW-12s	790.90	--	776.53	--	--	776.29	--	776.59	776.76
MW-12d	790.48	--	775.95	--	--	775.70	--	776.22	776.15
MW-13s	787.35	--	771.23	--	--	770.85	--	771.55	--
MW-14d	780.51	--	750.46	--	750.74	750.64	750.63	750.71	750.31
MW-15s	811.72	--	778.92	--	--	778.87	--	779.45	--
MW-17s	754.49	--	749.31	--	--	749.25	--	749.36	749.08
MW-18s	805.49	--	778.64	--	--	778.23	--	778.89	784.05*
MW-20s	783.16	--	777.61	778.37	777.26	776.86	777.18	777.59	777.32
MW-20d	783.29	--	768.11	768.96	768.16	767.98	768.44	768.76	769.27
MW-21	780.85	--	751.30	--	751.57	751.38	751.45	751.55	751.19
MW-22	782.62	--	757.62	--	757.67	756.97	757.44	757.62	757.56
MW-23	787.10	--	776.95	777.92	776.82	776.65	776.99	777.22	777.04
MW-24s	797.83	--	777.64	778.81	--	777.42	--	777.99	777.87
MW-24d	797.93	--	777.65	778.80	--	777.39	--	777.96	777.85
MW-26s	805.73	--	778.73	--	--	778.33	--	779.06	778.73
MW-27s	781.39	--	778.17	--	--	777.28	--	777.84	777.71
MW-28s	804.68	--	778.38	--	--	778.13	--	778.64	778.61
MW-30s	787.69	--	777.12	778.15	--	776.85	--	777.46	777.22
MW-30d	787.66	--	777.16	778.16	--	776.85	--	777.55	777.26
MW-31	782.36	--	749.46	--	749.73	749.51	749.51	749.71	749.41
MW-32s	802.59	--	--	--	--	777.88	--	778.52	778.25
MW-32d	802.63	--	--	--	778.08	777.93	778.39	778.61	778.38*
MW-34s	802.78	--	778.41	779.48	--	777.85	--	778.68	778.33
MW-35i	793.98	--	778.06	778.98	777.68	777.41	777.78	778.09	777.89
MW-35d	793.99	--	778.04	778.94	777.74	777.34	777.81	778.21	777.89
MW-36s	793.95	--	777.99	778.93	777.80	777.47	777.86	778.21	777.92
MW-36d	793.72	--	777.99	778.94	777.78	777.49	777.90	778.24	777.94
MW-37s	803.22	--	778.55	779.62	778.22	778.07	778.51	778.77	778.54
MW-38s	783.69	--	774.59	--	774.46	773.89	773.95	774.76	774.14
MW-38d	783.55	--	752.15	--	752.37	752.17	752.33	752.23	752.02
MW-39s	792.84	--	778.17	779.04	777.84	777.49	777.86	778.36	777.89
MW-39d	792.68	--	778.15	779.06	777.85	777.53	777.93	778.36	777.95
MW-40s	776.49	--	754.08	--	754.34	754.11	754.35	754.29	753.91
MW-41	752.57	--	749.17	--	749.12	749.27	745.97	749.21	749.22
MW-42s	744.11	740.52	740.96	--	--	--	--	--	741.51
MW-42d	746.12	742.42	742.42	--	742.22	742.74	742.06	742.07	741.57
MW-43s	788.97	--	777.22	778.24	777.09	776.95	777.32	777.52	NI

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2018)

ft MSL - feet above mean sea level

* = Anomalous water level elevation

NI - Not installed at time of measurement

-- Not measured

Table 2
 Summary of Groundwater Elevations at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Well Location	Top of Well Casing (ft MSL)	Groundwater Elevation (ft MSL)							
		3/20/2018	11/20/2017	5/15/2017	1/23/2017	11/21/2016	7/25/2016	4/20/2016	11/30/2015
MW-44s	786.01	--	777.89	778.70	777.54	777.31	NI	NI	NI
MW-44i	785.97	--	777.89	778.72	777.54	777.45	NI	NI	NI
MW-45s	784.31	776.41	777.56	778.31	777.16	777.00	NI	NI	NI
MW-45i	783.94	776.43	777.54	778.32	777.19	777.02	NI	NI	NI
MW-45d	783.70	776.40	NI	NI	NI	NI	NI	NI	NI
MW-46d	743.03	742.91	743.03	--	--	--	--	--	742.08
MW-47d	745.25	742.77	742.79	--	--	--	--	--	739.78
MW-48s	786.05	777.02	NI	NI	NI	NI	NI	NI	NI
MW-49s	779.82	751.10	NI	NI	NI	NI	NI	NI	NI
MW-49d	780.02	751.07	NI	NI	NI	NI	NI	NI	NI
MW-50s	783.63	772.95	NI	NI	NI	NI	NI	NI	NI
MW-50i	783.82	772.44	NI	NI	NI	NI	NI	NI	NI
MW-50d	783.56	770.36	NI	NI	NI	NI	NI	NI	NI
MW-51	781.80	752.59	NI	NI	NI	NI	NI	NI	NI
PRB-01s	784.06	--	777.31	--	--	776.51	--	777.26	777.02
PRB-02s	784.09	--	777.41	777.99	--	776.58	--	777.30	777.01
PRB-02i	783.85	775.55	NI	NI	NI	NI	NI	NI	NI
PRB-08s	784.69	--	777.52	778.21	--	776.73	--	777.54	777.24
PRB-08d	784.69	--	778.25	777.54	--	776.75	--	777.53	777.19
PRB-11s	795.12	--	779.18	778.21	--	777.65	--	778.42	778.12
PRB-12s	795.46	--	779.19	778.22	--	777.64	--	778.44	--
PRB-15s	795.35	--	--	--	--	777.57	--	778.40	778.07
PRB-15d	795.43	--	--	--	--	777.60	--	778.38	--
PRB-16s	785.02	--	777.77	--	--	776.89	--	777.69	--

Notes:

Survey conducted by Midwestern Consultants, Inc. (2009 - 2018)

ft MSL - feet above mean sea level

* = Anomalous water level elevation

NI - Not installed at time of measurement

-- Not measured

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature	
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-02s	7/11/2012	7.41	1,028	45	1.62	15.0	16.04
	10/25/2012	7.42	1,016	109	2.48	69.8	15.90
	6/11/2013	7.04	1,051	185	1.18	9.30	14.48
	11/12/2013	6.88	1,160	140	2.09	26.9	13.58
	5/19/2014	7.51	1,146	21	1.07	25.0	13.61
	11/29/2014	7.25	1,560	37	2.55	32.0	13.05
	5/51/2015	7.49	1,155	46.5	1.76	5.92	12.55
	12/4/2015	7.21	1,135	74	2.20	29.8	12.83
	4/29/2016	8.17	1,680	54	2.85	29.5	12.21
	12/2/2016	7.21	1,025	10	2.63	28.7	12.79
	5/16/2017	7.36	1,493	77	2.90	57.0	12.3
	11/28/2017	7.69	1,009	39.1	4.10	5.8	12.4
MW-03s	7/11/2012	6.96	1,640	43	0.74	11.2	17.31
	10/8/2012	7.32	1,510	23	0.47	12.0	18.31
	6/3/2013	7.09	1,054	31	0.88	13.0	12.17
	11/11/2013	6.90	1,428	75	0.67	26.9	15.88
	5/19/2014	6.99	972	133	2.24	24.0	10.21
	11/29/2014	6.82	1,234	49	0.89	29.9	13.59
	5/21/2015	7.04	1,022	70.5	0.29	2.33	10.24
	12/3/2015	7.01	1,063	37	0.74	23.0	14.39
	4/29/2016	7.60	1,120	89	3.99	27.4	10.07
	12/2/2016	6.85	1,205	27	1.00	28.1	14.82
	5/16/2017	7.03	945	99.9	3.20	15.5	11.6
	11/28/2017	7.11	964	71.0	1.26	1.8	13.8
MW-04s	7/11/2012	7.15	1,036	-2	0.28	9.70	17.73
	10/8/2012	7.39	926	-24	0.25	11.7	18.64
	6/3/2013	7.26	724	31	0.61	7.70	14.65
	11/11/2013	7.09	943	-8	0.58	26.1	16.63
	5/19/2014	6.57	655	180	1.80	23.0	12.69
	11/29/2014	6.90	826	16	0.53	28.0	15.31
	5/21/2015	7.21	682	91.0	0.30	1.25	12.41
	12/3/2015	7.26	711	29	0.47	23.0	15.40
	4/29/2016	7.89	751	67	0.85	27.0	12.42
	12/2/2016	6.50	772	16	0.72	27.5	14.92
	5/16/2017	7.34	625	101.5	3.50	1.2	13.1
	11/28/2017	7.28	580	-67.0	0.97	1.7	14.5
MW-04i	5/19/2014	7.23	868	-54	0.21	27.9	15.07
	7/18/2014	6.69	944	31	0.30	28.0	14.82
	11/29/2014	7.04	1,130	-66	0.19	30.0	14.80
	3/26/2015	7.23	959	-55.8	0.87	2.04	13.48
	5/21/2015	7.21	867	-29.0	0.23	2.80	13.61
	12/4/2015	6.95	889	-25	0.25	24.0	14.48
	4/29/2016	7.93	960	-20	0.49	29.5	13.22
	7/29/2016	7.41	922	-86	0.92	29.8	14.94
	12/2/2016	7.05	991	-88	0.58	28.5	14.60
	1/27/2016	7.32	918	-27	0.24	2.0	13.73
	5/16/2017	7.15	907	-66.5	0.20	11.0	14.3
	11/28/2017	7.22	804	-49.1	0.48	6.5	14.5

Notes:

S.U. = standard pH units

umhos/cm = micromhos per centimeter

mV = millivolts

mg/L = milligrams per liter

-- Anomalous reading, datum not used

NTU = nephelometric turbidity units

°C = degrees Celsius

NM = not measured

Table 3
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 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-10d	12/9/2009	6.98	1,150	6	1.69	0.88	10.05
	12/2/2015	7.26	814	-20	0.22	23.5	11.78
	11/28/2017	7.28	655	-44.0	0.68	2.0	13.7
MW-12s	4/6/2012	6.97	1,142	40	6.06	9.30	10.43
	7/9/2012	7.26	1,103	48	6.20	13.0	13.85
	10/12/2012	8.33	867	14	6.06	185	15.55
	5/30/2013	7.27	1,490	82	5.84	14.0	12.32
	11/7/2013	6.84	1,145	88	8.11	32.7	13.90
	5/14/2014	7.15	2,290	49	6.31	24.0	10.30
	11/19/2014	7.21	882	74.5	7.61	0.22	12.90
	5/28/2015	7.14	1,320	123	3.78	1.85	10.60
	12/2/2015	7.56	1,350	45	6.44	26.9	13.88
	4/26/2016	7.26	1,950	56	4.81	29.5	10.87
	11/28/2016	7.00	1,345	48	7.10	29.0	14.28
	11/28/2017	7.21	917	79.5	6.85	2.9	14.9
MW-12d	4/6/2012	7.00	1,800	-75	0.70	9.7	11.77
	7/9/2012	7.19	1,620	-86	0.20	12.5	14.59
	10/12/2012	8.43	1,208	-141	0.26	199	12.91
	5/31/2013	7.22	1,650	-73	0.21	14.8	13.88
	11/7/2013	7.15	1,640	-61	0.28	27.9	11.86
	5/15/2014	7.06	1,670	-34	0.45	29.0	12.04
	11/19/2014	7.18	1,124	-63.1	0.25	19.1	11.56
	5/28/2015	7.13	1,591	-29	0.24	19.5	12.12
	12/3/2015	7.23	1,690	-27	0.25	35.0	11.86
	4/26/2016	7.34	1,620	-60	0.95	28.0	12.50
	11/29/2016	6.96	1,790	-50	0.49	30.0	12.79
	11/28/2017	7.16	1,430	-41.8	0.55	9.0	13.9
MW-14d	11/14/2013	6.75	969	152	2.08	37.8	11.11
	5/22/2014	6.78	1,137	144	3.03	68.5	11.92
	7/16/2014	7.21	1,023	64	2.33	34.0	12.10
	11/20/2014	7.20	678	49.2	2.71	6.17	10.71
	3/23/2015	7.20	1,119	106.0	2.34	4.72	11.41
	5/28/2015	7.25	1,048	34.5	1.19	5.50	13.25
	12/2/2015	7.42	1,116	65	2.02	30.5	11.47
	4/26/2016	7.35	1,186	57	2.00	28.5	11.91
	7/26/2016	7.18	1,223	48	1.88	29.0	13.23
	11/29/2016	6.84	1,287	51	2.65	34.0	12.42
	1/23/2017	7.36	1,110	22	2.29	--	11.98
	11/27/2017	7.19	1,077	143.8	2.88	10.9	12.0

Notes:

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mV = millivolts

mg/L = milligrams per liter

-- Anomalous reading, datum not used

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-17s	1/5/2012	6.93	924	190	3.95	4.5	6.70
	4/2/2012	6.27	919	84	4.31	11.5	8.41
	7/3/2012	6.89	1,235	142	4.86	19.0	14.89
	10/3/2012	6.76	732	-4.6	5.84	10.0	13.97
	5/29/2013	7.07	897	81	3.92	15.0	11.65
	3/28/2014	7.34	818	146	3.68	29.5	4.70
	5/22/2014	7.25	1,012	67	3.97	39.0	10.24
	11/11/2014	7.02	810	126	5.25	31.7	11.48
	5/19/2015	7.14	859	169.5	6.07	12.5	9.22
	12/4/2015	7.22	915	94.0	4.59	39.5	9.80
	4/22/2016	7.87	937	70.0	4.24	60.0	8.16
	11/29/2016	6.89	1,053	40	3.15	30.0	10.51
MW-20s	5/15/2014	7.33	613	50	5.05	26.9	9.88
	7/16/2014	7.14	527	94	2.10	31.0	15.60
	11/26/2014	7.07	581	148	3.15	37.0	12.88
	3/25/2015	7.36	637	133.9	3.16	2.00	7.36
	5/20/2015	7.37	566	50.9	NM	5.77	10.60
	12/3/2015	6.77	626	139	1.47	25.5	13.25
	4/28/2016	7.46	635	192	4.59	39.5	9.80
	7/28/2016	7.29	623	27	2.47	33.6	18.45
	12/1/2016	7.11	650	4	1.60	27.9	13.67
	1/26/2017	7.47	587	60	2.56	7.0	9.15
	5/17/2017	7.24	549	55	3.58	4.2	12.20
	11/28/2017	7.28	445.0	225.0	1.60	1.5	13.1
MW-20d	5/15/2014	7.27	976	-179	0.20	25.0	12.14
	7/16/2014	7.27	986	-110	0.16	28.5	14.24
	11/26/2014	7.12	1,065	-127	0.37	30.0	12.36
	3/25/2015	7.29	979	-95.8	0.57	4.18	11.92
	5/20/2015	7.32	847	-89.9	NM	8.84	12.51
	12/3/2015	7.10	938	-70	0.40	23.0	11.45
	4/28/2016	7.56	1,039	-71	0.56	27.0	10.85
	7/28/2016	7.42	964	-115	0.76	28.6	16.11
	12/1/2016	7.15	1,054	-124	0.50	27.1	12.18
	1/26/2017	7.49	944	-36.8	0.33	0.6	11.20
	5/17/2017	7.13	950	-87.5	0.40	2.0	15.3
	11/28/2017	7.16	874	-79.8	0.72	2.0	10.1
MW-21	11/12/2013	6.98	1,183	83	2.52	26.1	12.13
	3/27/2014	7.19	1,131	130	1.33	19.5	12.08
	5/19/2014	7.15	1,135	54	2.63	23.6	14.29
	7/18/2014	7.00	1,007	123	2.74	26.0	12.51
	11/29/2014	7.05	1,160	55	3.35	28.0	11.90
	3/25/2015	7.19	1,057	93.9	3.94	0.86	12.40
	5/21/2015	7.15	1,131	69.9	2.58	2.70	12.64
	12/4/2015	7.16	1,072	89.0	4.15	26.0	12.18
	4/22/2016	7.97	1,043	60.0	3.80	33.0	13.18
	7/29/2016	6.85	1,047	181	4.05	28.2	13.24
	12/2/2016	6.86	1,145	141	4.83	28.5	12.37
	1/26/2017	7.35	932	67.8	3.70	6.75	12.11

Notes:

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Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-23	5/15/2014	7.12	1,239	-30	0.61	25.0	10.61
	7/17/2014	7.16	1,268	-71	0.20	31.8	13.03
	11/25/2014	7.03	1,441	-80	0.27	37.0	13.10
	3/25/2015	7.17	1,320	-61.7	0.83	3.34	11.17
	5/20/2015	7.19	1,270	-51	NM	5.61	10.85
	12/3/2015	6.91	1,326	-41	0.23	29.5	13.31
	4/27/2016	7.84	1,520	-60	0.49	39.5	11.87
	7/28/2016	7.28	1,374	-88	0.70	29.5	14.28
	12/1/2016	7.04	1,550	-106	0.25	29.0	13.98
	1/26/2017	7.31	1,432	-50	0.26	6.0	12.45
	5/16/2017	7.01	1,479	-88.5	0.19	3.8	11.8
	11/30/2017	6.76	1,335	-67.4	0.58	0.9	12.9
MW-24s	4/2/2012	7.08	1,498	77	2.95	12.6	11.79
	7/5/2012	7.32	1,950	49	4.24	15.0	14.95
	10/3/2012	6.93	582	-20.6	3.72	4.28	14.97
	5/29/2013	7.31	1,109	86	1.61	12.0	13.25
	11/4/2013	6.15	1,199	180	0.69	27.9	13.84
	5/14/2014	6.99	941	129	2.24	26.0	11.68
	11/17/2014	7.21	841	28.4	2.52	3.05	12.61
	5/27/2015	7.34	843	49.5	1.00	3.70	12.10
	12/2/2015	6.98	1,700	102	1.88	23.0	13.80
	4/25/2016	6.91	1,110	227	3.99	31.9	11.54
	11/22/2016	6.37	955	40	1.42	30.0	13.82
	11/30/2017	7.12	580	13.8	2.77	1.9	13.8
MW-24d	4/2/2012	7.03	3,300	-76	0.39	15.0	11.96
	7/5/2012	7.14	3,640	-89	0.20	16.1	18.61
	10/3/2012	6.70	2,350	-39.7	0.70	3.76	13.59
	5/30/2013	7.18	2,910	-86	0.20	10.6	14.12
	11/4/2013	7.10	2,590	-87	0.22	31.8	12.42
	5/14/2014	7.15	2,490	-42	0.42	29.5	13.25
	11/17/2014	7.22	1,691	-69.8	0.20	7.86	11.52
	5/27/2015	7.12	2,248	-29	0.20	5.75	14.48
	12/2/2015	7.16	1,860	-29	0.22	26.5	11.88
	4/25/2016	7.02	2,140	-37	2.39	48.5	12.41
	11/22/2016	6.37	2,040	-60	0.27	30.0	12.44
	11/30/2017	6.99	1,550	-45.5	0.48	2.0	12.6
MW-30s	4/9/2012	6.89	2,040	-40	0.84	10.3	10.93
	7/9/2012	6.95	1,760	-55	0.14	13.3	14.79
	10/19/2012	7.22	1,338	-103	0.29	17.4	16.33
	5/30/2013	7.07	2,100	-21	0.14	9.3	12.88
	11/5/2013	6.98	1,470	-63	0.29	29.5	16.03
	5/14/2014	6.97	2,480	8	0.28	27.8	10.80
	11/19/2014	6.94	1,281	-10.1	0.21	1.9	14.19
	5/27/2015	6.79	3,750	72.9	0.35	8.75	15.10
	12/2/2015	6.92	1,570	37	0.18	23.9	14.85
	4/26/2016	6.90	3,490	79	1.28	29.8	11.30
	11/28/2016	6.54	2,600	80	0.39	37.0	14.96
	11/30/2017	6.70	2,191	27.3	0.50	2.6	13.5

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Table 3
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 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-30d	4/9/2012	7.01	1,570	-106	0.46	14.9
	7/9/2012	7.09	1,700	-94	0.18	11.3
	10/19/2012	7.45	1,348	-132	0.32	8.60
	5/30/2013	7.20	1,355	-92	0.16	56.3
	11/5/2013	7.12	1,251	-107	0.25	31.6
	5/14/2014	7.10	1,217	-69	0.34	58.5
	11/19/2014	7.12	857	-78.9	0.21	4.03
	5/27/2015	7.05	1,187	-60.9	0.12	21.7
	12/2/2015	7.13	1,291	-48	0.55	27.5
	4/26/2016	7.22	1,332	-79	1.35	42.8
	11/28/2016	6.94	1,464	-77	0.56	33.5
	11/30/2017	6.81	1,182	-66.4	0.49	4.4
MW-32s	4/4/2012	7.16	862	-20	0.42	15.0
	7/11/2012	7.14	990	27	0.30	14.0
	10/10/2012	NM	646	105	0.22	14.3
	5/20/2013	7.34	654	31	0.98	9.0
	11/5/2013	6.80	679	65	1.20	26.3
	5/19/2014	7.37	721	14	0.94	23.9
	7/15/2014	7.12	825	15	0.49	28.9
	11/12/2014	7.29	695	-116	0.52	41.0
	5/19/2015	7.40	627	46.0	1.34	5.30
	12/3/2015	7.26	694	40	0.33	27.5
	4/27/2016	7.88	779	50	0.90	39.8
	11/28/2016	7.15	805	2	0.80	30.0
MW-32d	8/28/2013	7.21	1,116	-82	0.49	21.0
	11/5/2013	7.15	980	-101	0.53	26.6
	3/27/2014	7.27	1,140	-158	0.23	22.0
	5/19/2014	7.25	959	-79	0.37	24.8
	7/15/2014	7.20	989	-44	0.33	50.9
	11/11/2014	7.08	867	-70	0.94	57.1
	2/25/2015	6.90	1,352	-40	1.69	29.3
	5/19/2015	7.27	984	-18.3	0.77	19.2
	12/3/2015	7.19	1,039	-55	0.28	37.0
	4/27/2016	7.74	1,155	-53	0.50	33.0
	7/25/2016	7.33	1,045	-85	0.41	49.5
	1/25/2017	7.45	1,106	-44.0	0.40	7.00

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 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature	
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-34s	7/11/2012	7.34	650	60	4.55	16.9	15.48
	10/10/2012	NM	474	128	5.46	11.4	14.68
	5/20/2013	7.54	510	50	5.82	8.30	13.44
	11/12/2013	7.29	739	38	7.75	25.7	12.43
	5/19/2014	7.30	701	150	6.63	23.0	11.79
	11/26/2014	7.20	745	75	6.10	33.0	13.28
	5/21/2015	7.28	742	160	3.89	2.21	11.69
	12/3/2015	7.20	841	99	6.63	22.8	13.99
	4/29/2016	7.73	982	154	5.75	29.0	12.39
	12/2/2016	6.82	898	151	7.62	27.1	13.66
	5/15/2017	7.07	847	166.0	6.72	2.8	14.0
	11/21/2017	6.97	839	196.5	6.45	3.5	13.2
MW-35i	5/21/2014	7.36	918	-38	0.91	30.5	13.44
	7/18/2014	7.29	931	13	0.55	26.0	14.37
	11/20/2014	7.28	563	48.2	0.81	0.87	12.43
	3/24/2015	7.26	979	33.9	0.49	0.68	11.90
	5/22/2015	7.30	883	-8.0	0.49	2.11	12.01
	12/4/2015	7.27	915	23	0.63	34.5	12.15
	4/26/2016	7.26	1,082	42	1.80	21.2	13.19
	7/27/2016	7.22	973	7.0	0.95	27.5	14.95
	12/2/2016	7.25	905	221.2	1.42	1.68	13.85
	1/25/2017	7.43	1,139	20.8	2.01	0.55	13.07
	5/15/2017	7.14	1,069	177.0	2.33	0.9	13.0
	11/21/2017	7.17	978	184.0	3.61	11.5	13.5
MW-35d	5/20/2014	7.15	1,278	-98	0.38	24.0	13.40
	7/16/2014	7.00	1,288	-68	0.37	28.9	13.54
	11/13/2014	7.21	1,130	-83	0.88	43.2	10.71
	3/24/2015	7.26	1,150	-73	0.50	6.57	12.56
	5/22/2015	7.29	1,064	59	0.58	5.43	14.49
	11/30/2015	7.04	1,196	-72	0.60	24.0	11.35
	4/21/2016	7.93	1,221	-75	0.74	39.2	13.16
	7/26/2016	7.22	1,197	-90	0.46	31.1	13.77
	11/21/2016	6.28	1,191	-90	0.52	31.8	12.15
	1/23/2017	7.20	1,116	-87	0.79	--	10.63
	5/15/2017	7.16	1,226	-112.0	0.60	1.6	15.3
	11/21/2017	7.20	1,029	-90.0	0.43	1.5	12.2

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Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-36s	5/15/2014	7.15	822	45	2.01	24.4	12.73
	7/18/2014	6.85	869	104	2.00	24.9	14.08
	11/25/2014	7.03	925	32	1.60	31.0	15.22
	3/25/2015	7.17	909	59.8	1.24	0.64	12.66
	5/20/2015	6.68	824	128.0	1.62	1.16	11.54
	12/2/2015	6.59	928	81	0.27	23.0	14.95
	4/27/2016	7.79	880	41	2.28	24.9	12.70
	7/28/2016	7.21	917	-3	2.81	26.0	15.81
	12/1/2016	6.85	941	55	2.81	27.5	14.90
	1/26/2017	7.31	878	40	1.58	1.5	13.57
	5/16/2017	7.13	713	40.5	3.67	2.5	13.9
	11/28/2017	7.16	716	-12.0	1.85	9.5	15.8
MW-36d	5/21/2014	7.14	2,280	-87	0.28	58.0	15.99
	7/15/2014	7.12	1,850	-79	0.16	49.5	15.45
	11/13/2014	7.11	1,760	-95	0.62	53.5	14.18
	3/24/2015	7.14	1,781	-54.5	0.90	4.90	13.80
	5/22/2015	7.15	1,668	-77.5	0.28	10.0	14.63
	11/30/2015	7.18	1,820	-72	0.16	34.5	13.97
	4/21/2016	7.91	1,650	-70	0.48	43.0	14.39
	7/26/2016	7.41	1,460	-99	0.27	39.5	15.27
	11/21/2016	6.41	1,355	-112	0.25	39.5	13.65
	1/23/2017	7.43	1,188	-106	0.32	--	13.92
	5/16/2017	7.08	1,253	-89.0	0.37	4.5	15.7
	11/28/2017	7.17	1,091	-81.0	0.50	25.0	15.1
MW-37s	5/16/2014	7.15	1,052	108	0.59	27.0	12.14
	7/18/2014	7.16	1,059	64	0.51	26.0	13.60
	11/26/2014	7.11	1,099	67	0.51	34.0	12.80
	3/26/2015	7.18	1,102	106.1	0.90	1.56	12.25
	5/21/2015	7.16	962	148.9	0.41	3.09	11.96
	12/3/2015	7.15	1,104	104	0.49	24.0	13.17
	4/29/2016	7.60	1,209	155	1.68	28.0	12.16
	7/29/2016	7.12	1,211	151	1.14	28.9	13.53
	12/2/2016	6.89	1,271	125	0.66	29.0	13.48
	1/26/2017	7.17	1,040	84.9	0.84	5.00	13.09
	5/15/2017	6.95	1,196	133.7	1.72	5.0	13.8
	11/21/2017	7.06	917	104.0	1.65	11.8	13.8

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Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-38s	11/11/2013	6.45	1,409	166	1.21	26.1	15.52
	5/16/2014	7.14	1,390	113	4.48	28.5	8.35
	7/17/2014	7.12	1,170	60	0.57	29.0	15.60
	11/26/2014	7.00	1,230	35	1.10	32.5	13.70
	3/25/2015	7.19	1,086	156.9	1.91	3.04	7.68
	5/21/2015	7.10	1,025	203	0.87	6.81	8.91
	12/3/2015	7.13	1,098	82	0.98	29.0	13.87
	4/28/2016	7.60	1,193	85	2.98	29.5	8.75
	7/27/2016	7.21	1,179	44	1.06	28.0	17.44
	12/1/2016	6.96	1,159	13	1.10	28.5	15.02
	1/26/2017	7.34	1,018	39	2.10	6.6	10.46
	11/28/2017	6.92	1,006	190.0	3.70	4.5	13.2
MW-38d	3/27/2014	7.09	1,147	179	1.51	20.9	11.89
	5/22/2014	7.13	1,147	49	1.54	29.0	13.38
	7/17/2014	6.91	983	140	1.57	26.5	12.48
	11/21/2014	7.04	640	110	3.24	4.37	11.14
	3/25/2015	7.14	1,043	155.7	2.79	1.55	11.46
	5/28/2015	7.10	973	105.8	1.59	7.25	13.12
	12/2/2015	7.30	1,059	88	2.53	26.0	11.84
	4/27/2016	7.44	1,115	197	2.58	29.5	11.81
	7/26/2016	7.20	1,024	54	2.75	29.7	16.85
	11/29/2016	6.82	1,117	63	2.98	30.3	13.42
	1/23/2017	7.35	935	31	2.99	--	12.75
	11/28/2017	7.05	887	229	3.63	39.5	11.1
MW-39s	3/28/2014	7.05	860	140	0.94	32.8	12.39
	5/16/2014	7.11	979	102	1.42	31.9	12.45
	7/18/2014	7.12	1,035	53	0.65	25.6	15.47
	11/29/2014	6.81	1,123	147	0.52	29.6	13.95
	3/26/2015	7.12	1,104	93.0	1.27	1.19	12.19
	5/21/2015	7.08	1,011	129.5	0.40	4.64	12.22
	12/3/2015	7.11	1,188	109	0.90	23.5	14.30
	4/29/2016	7.59	1,220	149	1.99	29.5	11.70
	12/2/2016	6.86	1,003	122	2.95	27.6	14.20
	1/26/2017	7.28	942	86	2.88	6.0	12.20
	5/15/2017	7.08	985	60.0	2.51	18.0	14.0
	11/21/2017	7.17	900	104.0	0.99	7.0	14.6

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mg/L = milligrams per liter

-- Anomalous reading, datum not used

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-39d	5/21/2014	7.26	1,273	-104	0.13	37.0	15.79
	7/15/2014	7.24	1,085	-92	0.12	27.2	15.93
	11/13/2014	7.25	1,028	-107	0.34	43.9	13.54
	3/24/2015	7.23	1,136	-68.7	0.48	12.8	13.44
	5/26/2015	7.15	1,071	-76.6	0.16	9.0	14.67
	11/30/2015	7.27	1,258	-69	0.16	38.0	13.12
	4/22/2016	7.77	1,229	-75	0.25	69.5	13.84
	7/26/2016	7.44	1,350	-102	0.22	29.5	15.40
	11/22/2016	6.41	1,314	-107	0.34	38.0	12.91
	1/23/2017	7.47	1,198	-106	0.24	--	13.53
	5/16/2017	7.12	1,235	-91.0	0.35	3.0	15.5
	11/27/2017	7.07	1,143	-85.0	0.46	5.0	13.1
MW-41	12/4/2015	7.87	709	48	0.98	58.0	9.19
	4/22/2016	NM	NM	NM	NM	NM	NM
	7/28/2016	6.73	866	-52	3.06	59.0	15.92
	11/29/2016	7.21	913	19	0.86	36.1	10.83
	1/24/2017	7.34	1,198	49.4	1.6	13.7	5.50
MW-42s	11/21/2017	7.48	888	-10.0	2.75	99.5	9.7
	3/21/2018	NM	NM	NM	NM	NM	NM
MW-42d	12/8/2015	7.43	961	-97	0.29	7.04	10.81
	4/22/2016	7.95	1,119	-60	1.24	80.0	10.87
	7/28/2016	7.05	1,089	-59	1.15	30.5	14.84
	11/29/2016	7.28	876	-60	0.36	4.52	12.09
	1/24/2017	7.11	1,116	220	1.0	4.18	8.45
	11/21/2017	7.38	933	20.5	1.39	19.3	10.7
	3/21/2018	7.33	1,119.4	-19.3	0.63	3.76	9.32
MW-43s	4/26/2016	7.04	995	100	4.00	4.85	10.35
	7/27/2016	7.18	947	72	4.59	93.8	14.35
	12/1/2016	6.89	1,045	88	5.01	59.5	11.80
	1/25/2017	7.36	915	63	6.80	29.5	10.38
	5/15/2017	6.85	930	125.1	6.77	2.8	10.6
	11/30/2017	6.97	824	79.6	4.03	4.6	12.8

Notes:

S.U. = standard pH units

umhos/cm = micromhos per centimeter

mV = millivolts

mg/L = milligrams per liter

-- Anomalous reading, datum not used

NTU = nephelometric turbidity units

°C = degrees Celsius

NM = not measured

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-44s	12/2/2016	7.28	861	-73.7	0.22	3.03	12.37
	1/27/2017	7.70	759	43.5	0.82	9.00	8.28
	5/15/2017	7.16	800	-83.0	0.50	13.5	11.0
	11/27/2017	7.27	597	-104.0	0.98	5.6	13.3
MW-44i	12/2/2016	7.33	640	-47.6	0.17	1.99	12.21
	1/27/2017	7.51	956	28.4	0.40	3.75	10.22
	5/15/2017	7.25	943	-58.9	0.12	24.0	11.3
	11/27/2017	7.25	827	-55.3	0.38	8.0	12.7
MW-45s	12/2/2016	7.25	446	-103.0	0.26	3.30	13.78
	1/27/2017	7.25	725	-48.0	0.43	9.75	8.51
	5/17/2017	7.00	682	-109.5	0.23	2.8	11.3
	11/27/2017	7.11	690	-101.0	0.41	9.5	12.8
	3/20/2018	6.91	538	-1.9	0.39	6.45	7.99
MW-45i	12/2/2016	7.33	650	-85.1	0.17	4.98	13.39
	1/27/2017	7.47	930	-25.9	0.30	4.00	11.43
	5/17/2017	7.21	933	-89.8	0.07	7.5	11.3
	11/27/2017	7.30	854	-92.5	0.40	2.9	12.8
	3/20/2018	7.29	899.5	-29.7	0.35	20.5	9.71
MW-45d	3/20/2018	7.21	1,055.2	-54.0	0.32	11.6	11.24
MW-46d	11/21/2017	7.34	965	-69.0	1.16	38.3	11.0
	3/21/2018	7.21	1,112.6	-53.5	1.18	2.93	11.57
MW-47d	11/21/2017	8.10	507.0	-169.0	1.44	13.9	10.4
	3/21/2018	7.38	799.2	-25.1	0.85	5.72	8.66
MW-48s	3/20/2018	7.61	400.5	78.4	3.96	1.4	8.69
MW-49s	3/20/2018	7.33	956.3	32.8	4.34	19.8	13.04
MW-49d	3/21/2018	7.35	1,108.5	-5.70	0.47	8.77	12.03
MW-50s	3/20/2018	7.16	459.0	89.5	0.33	1.66	11.01
MW-50i	3/21/2018	7.07	844.1	5.23	0.33	4.68	11.80
MW-50d	3/21/2018	7.12	1,124.2	-39.0	0.34	2.93	11.67
MW-51	3/20/2018	7.27	1,148.9	-43.0	0.34	3.2	14.38

Notes:

S.U. = standard pH units

NTU = nephelometric turbidity units

umhos/cm = micromhos per centimeter

°C = degrees Celsius

mV = millivolts

NM = not measured

mg/L = milligrams per liter

-- Anomalous reading, datum not used

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature	
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
PRB-01s	10/10/2012	NM	NM	-35	0.31	10.8	17.93
	3/4/2013	7.38	813	-51	0.93	0.2	7.91
	6/7/2013	7.48	925	-69	0.35	0.6	12.75
	8/26/2013	7.21	950	-82	0.60	13.0	19.60
	11/15/2013	6.81	679	-50	1.41	27.3	14.79
	5/30/2014	7.42	659	-67	0.80	0.87	11.76
	11/24/2014	7.03	485	-23.4	0.46	2.20	13.86
	4/21/2015	7.35	622	-16.7	0.73	0.89	8.24
	12/7/2015	7.30	720	8	0.50	25.5	13.50
	4/27/2016	7.18	977	17	0.39	0.09	9.58
	12/2/2016	7.39	650	-35.0	0.44	0.57	14.57
	11/27/2017	7.27	641	-7.0	1.70	1.7	13.7
PRB-02s	3/5/2013	6.98	625	107	1.12	0.60	6.20
	6/7/2013	7.63	679	20	0.27	0.54	12.42
	8/26/2013	7.38	527	-61	0.59	13.9	19.63
	11/15/2013	6.71	840	-39	0.93	28.0	14.43
	6/5/2014	7.26	762	-0.3	0.56	0.81	12.66
	11/24/2014	7.12	624	-3.7	0.67	1.91	14.15
	4/21/2015	7.22	825	20.8	0.66	4.45	7.69
	12/7/2015	7.37	943	-45	0.45	28.9	13.23
	4/25/2016	7.19	867	-23.3	0.24	0.31	10.64
	12/2/2016	7.45	416	-30.5	0.25	1.40	14.08
	5/16/2017	7.15	825	41.0	0.35	0.5	12.2
	11/27/2017	7.15	1,046	50.8	0.64	1.4	13.8
PRB-02i	3/20/2018	7.17	964.9	-111.1	0.31	0.31	11.78
PRB-08s	3/5/2013	7.01	832	-49	1.92	9.81	7.08
	6/6/2013	7.51	856	-164	0.30	4.31	13.12
	8/26/2013	7.11	982	-115	0.59	17.0	19.56
	11/15/2013	6.67	703	-93	1.75	31.0	14.00
	5/28/2014	7.36	716	-111	0.39	6.54	11.29
	11/25/2014	6.99	467	-45.7	0.68	5.24	12.94
	4/22/2015	7.20	470	-17.4	0.65	1.76	8.33
	12/7/2015	7.11	672	-45	0.63	37.0	11.48
	4/22/2016	7.31	668	-31.2	0.80	0.55	9.99
	11/30/2016	7.76	519	-79.6	0.28	2.88	14.77
	5/17/2017	7.22	831	10.9	2.35	2.2	12.1
	11/27/2017	7.24	538	38.0	1.65	5.5	14.1

Notes:

S.U. = standard pH units

NTU = nephelometric turbidity units

umhos/cm = micromhos per centimeter

°C = degrees Celsius

mV = millivolts

NM = not measured

mg/L = milligrams per liter

-- Anomalous reading, datum not used

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
PRB-08d	3/5/2013	7.29	812	-30	0.94	3.25	10.34
	6/6/2013	7.55	819	-119	0.29	8.62	13.42
	8/26/2013	7.22	989	-94	0.55	32.5	17.30
	11/15/2013	6.76	829	-70	2.22	33.8	12.70
	5/28/2014	7.41	942	-99	0.27	8.90	12.54
	11/25/2014	7.27	677	-73.8	0.55	6.50	13.23
	4/22/2015	7.32	719	-37.1	0.41	3.46	10.83
	12/8/2015	7.42	1,019	-87	0.38	44.0	13.78
	4/22/2016	7.33	950	-19.3	0.52	5.58	11.89
	11/30/2016	7.31	754	-80.2	0.29	3.00	14.80
	5/15/2017	7.08	1,091	-65.9	0.36	24.0	12.4
	11/27/2017	7.22	991	-85.0	0.58	5.0	14.1
PRB-11s	3/4/2013	7.28	389	180	6.31	0.30	10.55
	6/7/2013	7.78	338	112	6.38	2.20	11.69
	8/26/2013	7.30	424	163	7.58	14.9	15.14
	11/15/2013	7.19	350	20	7.20	27.9	12.81
	5/29/2014	7.39	535	161	7.18	1.62	11.52
	11/26/2014	7.31	297	116.6	9.88	3.93	11.58
	4/22/2015	7.55	335	72.3	7.39	2.09	9.46
	12/8/2015	7.60	504	40	6.55	25.0	12.57
	4/21/2016	7.36	533	284.9	7.54	1.48	11.17
	12/1/2016	7.54	350	43.6	7.72	0.77	12.79
	5/15/2017	7.41	452.5	98.0	9.17	4.3	12.1
	11/27/2017	7.50	380.8	36.0	8.50	1.5	12.5
PRB-12s	10/11/2012	7.29	NM	202	3.64	12.0	13.54
	3/5/2013	8.19	196	70	6.81	2.55	7.09
	6/5/2013	7.73	523	218	8.65	0.56	12.22
	8/27/2013	7.41	731	21	6.14	18.0	16.40
	11/13/2013	7.28	838	1.83	4.36	25.9	12.30
	5/29/2014	7.59	815	84	5.59	0.94	11.56
	11/26/2014	7.42	876	75	5.43	33.6	11.81
	4/21/2015	7.56	508	73.4	7.15	2.80	10.40
	4/20/2016	7.28	860	281.6	5.37	2.15	11.04
	12/1/2016	7.87	695	-41.5	5.02	0.71	12.94
	5/15/2017	7.54	572	143.8	8.49	2.4	11.9
	11/27/2017	7.48	1,051	90.8	5.83	3.8	13.1

Notes:

S.U. = standard pH units

NTU = nephelometric turbidity units

umhos/cm = micromhos per centimeter

°C = degrees Celsius

mV = millivolts

NM = not measured

mg/L = milligrams per liter

-- Anomalous reading, datum not used

Table 3
 Summary of Field Parameters at Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature	
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-15d	7/12/2012	7.35	1,195	-88	0.32	14.3	16.03
	10/11/2012	7.46	NM	-110	0.38	12.8	14.76
	3/5/2013	7.43	850	-74	1.28	5.92	10.21
	6/5/2013	7.80	919	-218	0.38	3.05	14.67
	8/27/2013	7.19	1,097	-90	0.60	22.0	17.26
	11/14/2013	6.98	916	-98	1.15	32.0	13.43
	5/29/2014	7.38	1,091	-116	0.46	0.96	14.28
	11/26/2014	7.53	944	51	1.45	41.3	11.47
	4/21/2015	7.50	610	84.7	0.86	1.33	12.59
	12/4/2015	7.23	902	-12	0.65	40.0	10.83
	4/20/2016	7.33	1,063	-36	0.21	1.41	13.41
	12/1/2016	7.76	725	-53.5	0.25	0.61	12.81
PRB-16s	7/12/2012	7.01	778	68	2.81	4.81	21.05
	10/9/2012	NM	641	58	3.12	12.6	19.01
	3/27/2013	8.70	883	93	4.37	0.00	8.56
	6/6/2013	7.46	834	68	3.70	0.85	14.25
	8/27/2013	7.00	833	45	3.25	17.1	19.14
	11/14/2013	6.89	649	28	2.90	26.9	14.17
	5/30/2014	7.29	605	-66	2.94	2.83	12.99
	12/1/2014	7.18	561	-76	1.68	28.2	11.49
	4/20/2015	7.34	342	-1.4	5.01	3.40	9.01
	4/20/2016	7.22	540	63.9	5.50	0.56	9.82
	12/2/2016	7.40	431	-11.9	3.72	0.57	13.82
	11/27/2017	7.24	498.0	101.0	6.04	3.6	13.4

Notes:

S.U. = standard pH units

NTU = nephelometric turbidity units

umhos/cm = micromhos per centimeter

°C = degrees Celsius

mV = millivolts

NM = not measured

mg/L = milligrams per liter

-- Anomalous reading, datum not used

Table 4
 Summary of Field Parameters at Pore Water Sample Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		pH	Conductivity	Redox Potential	Total Dissolved Solids	Temperature
Units		S.U.	umhos/cm	mV	ppm	°C
PW-01	4/5/2016	7.98	197.4	-84	136.7	5.3
	7/26/2016	6.96	1,083	-80	754.5	24.3
	11/29/2016	6.15	884.6	16	670.4	9.0
	11/21/2017	7.53	1,023	33	204.9	6.1
	3/20/2018	6.95	1,026	40	754.1	1.0
PW-04	4/5/2016	7.71	967.5	-109	671.7	3.3
	7/26/2016	7.43	938.5	-112	651.0	21.5
	11/29/2016	6.68	1,363	9	1052	10.0
	11/21/2017	7.03	1,357	-4	271.5	7.3
	3/20/2018	6.88	962.8	-85	699.1	2.9
PW-07	4/5/2016	7.57	1,022	-93	711.4	NM
	7/26/2016	7.83	1,074	-104	750.3	21.6
	11/29/2016	6.81	984.5	156	759.4	11.5
	11/21/2017	7.74	1,220	49	243.0	7.5
	3/20/2018	7.07	979.5	-137	710.7	4.7

Notes:

S.U. = standard pH units

umhos/cm = micromhos per centimeter

mV = millivolts

ppm = parts per million

°C = degrees Celsius

NM = not measured

Table 5
 Summary of Chlorinated Constituents of Potential Concern at Onsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-02s (23-28') Depth to Groundwater Approx. 22 - 24'	4/5/2012	<2.0	<2.0	2.7	<2.0	3.5	3.4	210
	7/11/2012	<2.0	<2.0	2.2	<2.0	2.5	3.5	330
	10/25/2012	<2.0	<2.0	<2.0	<2.0	<2.0	2.6	270
	6/11/2013	<2.0	<2.0	<2.0	<2.0	<2.0	2.8	300
	11/12/2013	<2.5	<2.5	2.8	<2.5	<2.5	4.4	410
	5/19/2014	<2.5	<2.5	<2.5	<2.5	<2.5	3.1	280
	11/26/2014	<2.5	<2.5	<2.5	<2.5	<2.5	3.1	380
	5/21/2015	<2.0	<2.0	<2.0	<2.0	<2.0	2.4	330
	12/4/2015	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	290
	4/29/2016	<2.0	<2.0	2.5	<2.0	<2.0	<2.0	230
	12/2/2016	<2.5	<2.5	<2.5	<2.5	<2.5	3.4	270
	11/28/2017	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	215
MW-03s (9-14') Depth to Groundwater Approx. 8 - 10'	7/11/2012	23	<20	2,500	120	<20	<20	25
	10/8/2012	<20	<20	1,700	93	<20	<20	100
	6/3/2013	24	<20	2,000	120	<20	<20	220
	11/11/2013	35	<20	2,500	150	<20	<20	350
	5/19/2014	<20	<20	1,500	99	<20	<20	150
	11/26/2014	21	<20	1,900	130	<20	<20	210
	5/21/2015	20	<10	1,800	130	<10	<10	450
	12/3/2015	<20	<20	1,700	120	<20	<20	200
	4/29/2016	18	<10	1,600	100	<10	<10	110
	12/2/2016	<20	<20	1,500	110	<20	<20	21
	5/16/2017	12	<10	1,100	72	<10	12	14
	11/28/2017	13.6	<10.0	1,080	73.8	<10.0	<10.0	<10.0
								231
MW-04s (15-20') Depth to Groundwater Approx. 15 - 17'	7/11/2012	<50	<50	2,100	65	<50	<50	5,600
	10/8/2012	<50	<50	2,200	66	<50	<50	6,700
	6/3/2013	<50	<50	1,900	63	<50	<50	5,700
	11/11/2013	<50	<50	1,900	66	<50	<50	6,600
	5/19/2014	<50	<50	1,100	<50	<50	<50	3,900
	11/26/2014	<50	<50	1,200	<50	<50	<50	5,500
	5/21/2015	<50	<50	1,700	64	<50	<50	6,200
	12/3/2015	<50	<50	1,300	52	<50	<50	5,000
	4/29/2016	<50	<50	1,200	53	<50	<50	4,300
	12/2/2016	<50	<50	1,300	56	<50	<50	4,500
	5/16/2017	<20	<20	570	23	<20	<20	1,900
	11/28/2017	<50.0	<50.0	1,080	<50.0	<50.0	<50.0	3,780
								<50.0

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more cleanup level

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit.

1) Cleanup level not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 5
 Summary of Chlorinated Constituents of Potential Concern at Onsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-04i (21.5-26.5') Depth to Groundwater Approx. 16-17'	5/19/2014	<50	<50	3,300	100	<50	4,600	56
	7/18/2014	<50	<50	3,000	91	<50	4,100	54
	11/26/2014	<50	<50	3,400	110	<50	5,200	61
	3/26/2015	<50	<50	3,500	110	<50	5,000	76
	5/21/2015	<50	<50	3,600	130	<50	6,400	80
	12/4/2015	<50	<50	3,600	130	<50	5,800	68
	4/29/2016	<50	<50	3,200	130	<50	5,300	60
	7/29/2016	<50	<50	3,200	120	<50	4,400	<50
	12/2/2016	<50	<50	2,800	110	<50	4,200	66
	1/27/2017	<50	<50	3,100	120	<50	4,800	64
	5/16/2017	<50	<50	2,900	110	<50	4,400	<50
	11/28/2017	<50.0	<50.0	3,240	133	<50.0	5,470	59.0
	1/10/2012	<20	<20	170	<20	<20	400	2,300
MW-32s (23-28') Depth to Groundwater Approx. 23 - 25'	4/4/2012	<20	<20	130	<20	<20	340	2,200
	7/11/2012	<20	<20	85	<20	<20	370	2,200
	10/10/2012	<20	<20	89	<20	<20	280	1,600
	5/20/2013	<20	<20	89	<20	<20	220	1,400
	11/5/2013	<10	<10	71	<10	<10	190	1,200
	7/15/2014	<10	<10	48	<10	<10	160	1,200
	11/12/2014	<10	<10	54	<10	<10	190	1,500
	5/19/2015	<10	<10	55	<10	<10	150	1,200
	12/3/2015	<10	<10	65	<10	<10	130	1,200
	4/27/2016	<10	<10	68	<10	<10	120	1,100
	11/28/2016	<10	<10	50	<10	<10	100	900
	11/5/2013	<1.0	<1.0	1.9	3.2	<1.0	<1.0	51
	3/27/2014	<1.0	<1.0	2.0	3.0	<1.0	<1.0	56
MW-32d (35-40') Depth to Groundwater Approx. 23 - 24'	5/19/2014	<1.0	<1.0	1.8	3.0	<1.0	<1.0	49
	7/15/2014	<1.0	<1.0	2.3	2.4	<1.0	<1.0	51
	11/11/2014	<1.0	<1.0	2.1	3.2	<1.0	<1.0	60
	2/25/2015	<1.0	<1.0	2.1	3.4	<1.0	<1.0	48
	5/19/2015	<1.0	<1.0	2.0	3.0	<1.0	<1.0	55
	12/3/2015	<1.0	<1.0	2.7	3.0	<1.0	<1.0	48
	4/27/2016	<1.0	<1.0	2.3	3.3	<1.0	<1.0	45
	7/25/2016	<1.0	<1.0	2.7	3.0	<1.0	<1.0	39
	11/28/2016	<1.0	<1.0	2.2	3.1	<1.0	<1.0	36
	1/25/2017	<1.0	<1.0	2.2	2.9	<1.0	<1.0	41

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criterion

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1) Criteria not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 5
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 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-34s (23-28') Depth to Groundwater Approx. 23 - 25'	7/11/2012	<10	<10	<10	<10	1,400	1,100	<10
	10/10/2012	<10	<10	<10	<10	1,400	1,100	<10
	5/20/2013	<10	<10	<10	<10	720	730	<10
	11/12/2013	<5.0	<5.0	<5.0	<5.0	490	450	<5.0
	5/19/2014	<5.0	5.6	<5.0	<5.0	690	730	<5.0
	11/26/2014	<5.0	<5.0	<5.0	<5.0	690	730	<5.0
	5/21/2015	<5.0	<5.0	<5.0	<5.0	560	530	<5.0
	12/3/2015	<5.0	6.6	<5.0	<5.0	750	750	<5.0
	4/29/2016	<5.0	28	6.0	<5.0	770	700	<5.0
	12/2/2016	<5.0	13	5.8	<5.0	830	590	<5.0
	5/15/2017	<10	15	<10	<10	1,100	850	<10
	11/21/2017	<10.0	17.4	<10.0	<10.0	1,310	1,070	<10.0
MW-35i (20.5-22.5') Depth to Groundwater Approx. 16 - 17'	5/21/2014	<50	140	50	<50	5,300	4,400	<50
	7/18/2014	<50	130	<50	<50	5,300	4,600	<50
	11/20/2014	<50	100	<50	<50	5,200	4,700	<50
	3/24/2015	<25	43	<25	<25	2,200	2,600	<25
	5/22/2015	<50	78	<50	<50	4,100	3,800	<50
	12/4/2015	<50	120	<50	<50	4,900	3,600	<50
	4/25/2016	<50	110	<50	<50	4,700	3,500	<50
	7/27/2016	<50	110	<50	<50	4,700	3,800	<50
	12/2/2016 ⁽²⁾	<50	110	<50	<50	4,100	3,300	<50
	1/25/2017	<25	78	28	<25	3,300	2,800	<25
	5/15/2017	<25	66	<25	<25	2,900	2,400	<25
	11/21/2017	<25.0	65.3	<25.0	<25.0	3,110	2,670	<25.0
MW-35d (42.5-44.5') Depth to Groundwater Approx. 15 - 16'	5/20/2014	<1.0	<1.0	22	3.0	<1.0	<1.0	1.3
	7/16/2014	<1.0	<1.0	12	1.4	<1.0	<1.0	1.2
	11/13/2014	<1.0	<1.0	17	2.1	<1.0	<1.0	1.1
	3/24/2015	<1.0	<1.0	44	8.0	<1.0	<1.0	42
	5/22/2015	<1.0	<1.0	9.3	1.4	<1.0	<1.0	1.7
	11/30/2015	<1.0	<1.0	6.5	1.0	<1.0	<1.0	2.8
	4/21/2016	<1.0	<1.0	10	1.3	<1.0	<1.0	1.6
	7/26/2016	<1.0	<1.0	93	21	<1.0	<1.0	39
	11/21/2016	<1.0	<1.0	40	6.8	<1.0	<1.0	37
	1/23/2017	<1.0	<1.0	26	4.1	<1.0	<1.0	34
	5/15/2017	<1.0	<1.0	26	3.8	<1.0	<1.0	30
	11/21/2017	<1.0	<1.0	108	23.3	<1.0	<1.0	26.7

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

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 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-36s (16.5-21.5') Depth to Groundwater Approx. 16 - 17'	5/15/2014	15	<5.0	120	16	<5.0	22	370
	7/18/2014	14	<5.0	120	15	<5.0	18	410
	11/25/2014	18	<5.0	150	19	<5.0	20	540
	3/25/2015	17	<5.0	130	16	<5.0	21	550
	5/20/2015	17	<5.0	130	16	<5.0	19	570
	12/2/2015	28	<2.5	270	37	<2.5	7.0	190
	4/27/2016	16	<5.0	110	14	<5.0	17.0	660
	7/28/2016	18	<10	110	16	<10	23.0	880
	12/1/2016	16	<10	100	12	<10	19.0	750
	1/26/2017	17	<10	100	14	<10	19.0	890
	5/16/2017	13	<5.0	78	10	<5.0	23.0	620
	11/28/2017	24.7	<10.0	105	12.7	<10.0	15.6	972
MW-36d (31-36') Depth to Groundwater Approx. 16 - 17'	5/21/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/15/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/13/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/24/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/21/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/16/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-37s (25.5-30.5') Depth to Groundwater Approx. 25 - 26'	5/16/2014	<5.0	<5.0	<5.0	<5.0	<5.0	5.6	610
	7/18/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	610
	11/26/2014	<5.0	<5.0	<5.0	<5.0	<5.0	5.4	740
	3/26/2015	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	580
	5/21/2015	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	630
	12/3/2015	<5.0	<5.0	<5.0	<5.0	<5.0	6.8	630
	4/29/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	560
	7/29/2016	<5.0	<5.0	<5.0	<5.0	5.0	<5.0	600
	12/2/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	510
	1/26/2017	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	620
	5/15/2017	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	460
	11/21/2017	<5.0	<5.0	<5.0	<5.0	<5.0	5.2	541

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

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2) Results are approximate as indicated during laboratory data quality review.

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 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-39s (15.5-20.5') Depth to Groundwater Approx. 15 - 16'	5/16/2014	79	21	50	5.6	<5.0	120	960
	7/18/2014	68	17	64	7.0	<5.0	90	840
	11/26/2014	87	21	66	8.2	<5.0	110	940
	3/26/2015	89	20	56	6.6	<5.0	100	790
	5/21/2015	99	22	62	<10	<10	110	870
	12/3/2015	110	24	59	<10	<10	130	860
	4/29/2016	96	25	36	<5.0	<5.0	120	630
	7/29/2016	110	28	46	<10	<10	150	910
	12/2/2016	90	23	28	<10	<10	150	780
	1/26/2017	89	22	31	<10	<10	160	890
	5/16/2017	76	20	23	<5.0	<5.0	130	670
	11/21/2017	79.8	23.3	26.6	<10.0	<10.0	207	1,110
MW-39d (34-39') Depth to Groundwater Approx. 15 - 16'	5/21/2014	<1.0	<1.0	3.3	2.0	<1.0	<1.0	<1.0
	7/15/2014	<1.0	<1.0	3.0	2.1	<1.0	<1.0	<1.0
	11/13/2014	<1.0	<1.0	3.4	2.3	<1.0	<1.0	<1.0
	3/24/2015	<1.0	<1.0	3.4	2.1	<1.0	<1.0	<1.0
	5/26/2015	<1.0	<1.0	3.2	2.1	<1.0	<1.0	<1.0
	11/30/2015	<1.0	<1.0	3.6	2.4	<1.0	<1.0	<1.0
	4/22/2016	<1.0	<1.0	3.5	2.2	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	3.7	2.4	<1.0	<1.0	<1.0
	11/22/2016	<1.0	<1.0	3.8	2.6	<1.0	<1.0	<1.0
	1/23/2017	<1.0	<1.0	3.8	2.6	<1.0	<1.0	<1.0
	5/16/2017	<1.0	<1.0	3.3	2.2	<1.0	<1.0	<1.0
	11/27/2017	<1.0	<1.0	4.0	2.6	<1.0	<1.0	<1.0
MW-44s (8.5-13.5') Depth to Groundwater* Approx. 8-10'	12/2/2016 ⁽²⁾	<100	<100	1,900	<100	12,000	<100	2,100
	1/27/2017	<100	<100	480	<100	15,000	<100	2,400
	5/15/2017	<100	<100	<100	<100	17,000	<100	1,500
	11/27/2017	<100	<100	236	<100	10,100	<100	1,430
MW-44i (19.1-24.1') Depth to Groundwater Approx. 8-10'	12/2/2016 ⁽²⁾	<1.0	<1.0	5.5	<1.0	53	<1.0	100
	1/27/2017	<1.0	<1.0	6.4	<1.0	50	<1.0	110
	5/15/2017	<1.0	<1.0	8.2	1.1	35	<1.0	94
	11/27/2017	1.1	<1.0	13.5	1.4	33.5	<1.0	109

Notes:

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Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-45s (7-12') Depth to Groundwater* Approx. 6-8'	12/2/2016 ⁽²⁾	<100	<100	3,300	<100	11,000	<100	2,800
	1/27/2017	<100	<100	3,400	<100	12,000	<100	3,600
	5/17/2017	<100	<100	3,700	<100	12,000	<100	3,900
	11/27/2017	<100	<100	6,620	<100	18,700	<100	3,960
	3/20/2018	<100	<100	5,820	<100	14,100	<100	1,910
MW-45i (18.1-23.1') Depth to Groundwater Approx. 6-8'	12/2/2016 ⁽²⁾	<10	<10	1,200	30	<10	<10	500
	1/27/2017	<10	<10	1,500	40	<10	<10	510
	5/17/2017	<10	<10	1,100	34	<10	<10	480
	11/27/2017	<10.0	<10.0	1,430	34.6	<10.0	<10.0	577
	3/20/2018	<10.0	<10.0	1,300	41.6	<10.0	<10.0	497
MW-45d (31-36') Depth to Groundwater Approx. 6-8'	3/20/2018	<10.0	<10.0	628	14.2	<10.0	<10.0	941
MW-48s (7.75-12.75') Depth to Groundwater* Approx. 8-10'	3/20/2018	<5.0	<5.0	5.4	<5.0	29.9	20.8	403
PRB-01s (6-11') Depth to Groundwater* Approx. 5 - 7'	10/10/2012	29	23	350	<10	<10	570	1,400
	3/4/2013	90	27	88	<10	<10	730	1,100
	6/7/2013	380	24	620	<10	<10	970	960
	8/26/2013	81	37	200	<10	<10	1,500	1,200
	11/15/2013	43	20	43	<10	<10	1,200	1,100
	5/30/2014	330	45	550	<10	<10	1,500	1,700
	11/24/2014	16	51	18	<10	<10	1,200	2,000
	4/21/2015	17	29	16	<10	<10	940	1,600
	12/7/2015	12	28	66	<10	<10	760	1,300
	4/27/2016	54	16	74	<10	<10	620	1,100
	12/2/2016 ⁽²⁾	97	18	570	<10	<10	510	1,000
	11/27/2017	<10.0	<10.0	21.6	<10.0	<10.0	411	759
PRB-02s (6-11') Depth to Groundwater* Approx. 6-8'	3/5/2013	4.4	<2.5	250	6.4	<2.5	4.8	310
	6/7/2013	9.0	<2.5	140	4.8	<2.5	4.8	280
	8/26/2013	12	<2.5	150	4.4	<2.5	4.8	260
	11/15/2013	5.1	<2.5	200	4.3	<2.5	3.8	190
	6/5/2014	2.8	<2.5	350	3.0	<2.5	<2.5	230
	11/24/2014	<2.5	<2.5	190	<2.5	<2.5	<2.5	440
	4/21/2015	<2.0	<2.0	73	<2.0	<2.0	<2.0	250
	12/7/2015	<2.0	<2.0	100	<2.0	<2.0	<2.0	180
	4/25/2016	<1.0	<1.0	42	<1.0	<1.0	<1.0	93
	12/2/2016 ⁽²⁾	<1.0	<1.0	130	1.4	<1.0	<1.0	42
	5/16/2017	<2.0	<2.0	200	<2.0	<2.0	<2.0	34
	11/27/2017	<1.0	1.2	79.7	<1.0	<1.0	<1.0	21.9

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit.

1) Criteria not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 5
 Summary of Chlorinated Constituents of Potential Concern at Onsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte		1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway		441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway		18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)		1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-02i (17-22') Depth to Groundwater Approx. 6-8'	3/20/2018	7.3	4.8	162	3.7	<1.0	1.4	177	6.1
PRB-08s (6-11') Depth to Groundwater* Approx. 6 - 7'	3/5/2013	3.6	<1.0	27	3.5	<1.0	<1.0	<1.0	1.9
	6/6/2013	6.9	<1.0	50	6.0	<1.0	<1.0	<1.0	2.0
	8/26/2013	6.9	<1.0	65	7.8	<1.0	<1.0	<1.0	2.5
	11/15/2013	5.3	<1.0	62	7.8	<1.0	<1.0	<1.0	1.3
	5/28/2014	4.0	<1.0	13	1.7	<1.0	<1.0	<1.0	1.3
	11/25/2014	5.3	<1.0	14	1.7	<1.0	<1.0	<1.0	2.2
	4/22/2015	4.4	<1.0	12	1.6	<1.0	<1.0	<1.0	1.1
	12/7/2015	3.5	<1.0	4.5	<1.0	<1.0	<1.0	<1.0	1.6
	4/22/2016	4.6	<1.0	6.9	<1.0	<1.0	<1.0	<1.0	<1.0
	12/1/2016	3.7	1.3	8.6	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2017	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	2.7	<1.0
	11/27/2017	2.7	<1.0	4.6	<1.0	<1.0	<1.0	4.9	<1.0
PRB-08d (18.5-23.5') Depth to Groundwater* Approx. 6 - 7'	3/5/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	37
	6/6/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	37
	8/26/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	46
	11/15/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	44
	5/28/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	49
	11/25/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	36
	4/22/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	28
	12/7/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	39
	4/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24
	12/1/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	40
	5/17/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	28
	11/27/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	31.3
PRB-11s (15-20') Depth to Groundwater Approx. 15 - 17'	3/4/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0
	6/7/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
	8/26/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0
	11/15/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0
	5/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0
	11/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0
	4/22/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0
	12/7/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0
	4/21/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
	12/1/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0
	12/1/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	<1.0
	11/27/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

 Denotes concentrations above one or more criterion

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit.

1) Criteria not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 5
 Summary of Chlorinated Constituents of Potential Concern at Onsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Concentrations Protective of Hypothetical Direct Contact with Groundwater (Excavation Worker)	1.7E+05	1.5E+06	1.5E+05	1.1E+06	76,900	8.7E+07	14,400	4,020
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
PRB-12s (15-20') Depth to Groundwater Approx. 15 - 17'	10/11/2012	<10	<10	<10	16	30	1,600	<10
	3/5/2013	<10	<10	<10	12	21	840	<10
	6/5/2013	<10	<10	<10	12	19	950	<10
	8/27/2013	<10	<10	<10	13	24	1,200	<10
	11/13/2013	<10	<10	<10	16	25	1,200	<10
	5/29/2014	<10	<10	<10	11	26	870	<10
	11/26/2014	<10	<10	<10	12	30	1,100	<10
	4/21/2015	<10	<10	<10	<10	32	910	<10
	4/20/2016	<10	<10	<10	11	21	770	<10
	12/1/2016	<10	<10	<10	10	30	730	<10
	5/15/2017	<5.0	<5.0	<5.0	7.8	20	570	<5.0
	11/27/2017	<5.0	<5.0	<5.0	8.7	17.6	677	<5.0
PRB-15d (29-34') Depth to Groundwater 16 - 17'	7/12/2012	<1.0	<1.0	2.7	<1.0	3.7	19	<1.0
	10/11/2012	<1.0	<1.0	3.5	<1.0	5.2	26	<1.0
	3/5/2013	<1.0	<1.0	3.0	<1.0	5.0	32	<1.0
	6/5/2013	<1.0	<1.0	2.6	<1.0	3.7	19	<1.0
	8/27/2013	<1.0	<1.0	1.7	<1.0	4.0	21	<1.0
	11/14/2013	<1.0	<1.0	1.9	<1.0	6.6	26	<1.0
	5/29/2014	<1.0	<1.0	<1.0	<1.0	<1.0	6.5	<1.0
	11/26/2014	<1.0	<1.0	<1.0	<1.0	<1.0	4.4	<1.0
	4/21/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1
	12/4/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3.3
	4/20/2016	<1.0	<1.0	<1.0	<1.0	4.1	13	6.5
	12/1/2016	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	11
PRB-16s (5-10') Depth to Groundwater 6 - 8'	8/6/2012	5.3	1.4	51	4.8	<1.0	<1.0	3.5
	10/9/2012	3.8	1.1	31	2.8	<1.0	<1.0	4.6
	3/27/2013	3.6	1.1	29	3.2	<1.0	1.0	12
	6/6/2013	4.4	1.3	32	2.9	<1.0	<1.0	11
	8/27/2013	7.9	1.9	28	2.5	<1.0	<1.0	21
	11/14/2013	12	2.9	28	2.4	<1.0	<1.0	21
	5/30/2014	8.2	3.0	19	1.6	<1.0	<1.0	25
	12/1/2014	9.9	5.2	28	2.1	<1.0	<1.0	66
	4/20/2015	9.7	5.3	26	2.4	<1.0	<1.0	91
	4/20/2016	7.3	4.2	22	2.1	<1.0	3.9	150
	12/2/2016 ⁽²⁾	6.0	3.4	17	<2.5	<2.5	6.4	280
	11/27/2017	<2.5	<2.5	7.5	<2.5	<2.5	8.9	335

Notes:

Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway, Concentrations Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway, and Concentrations Protective of Hypothetical Direct Contact with Groundwater from Table 5 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

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1) Criteria not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 6
 Summary of Chlorinated Constituents of Potential Concern at Offsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Residential Drinking Water Pathway	205	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Cleanup Levels Protective of the Residential Groundwater Volatilization to Indoor Air Pathway	4,300	4,700	3,600	4,000	165	17,000	130	NA ⁽¹⁾
Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-10d (14-19') Depth to Groundwater Approx. 9 -10'	12/9/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12s (12-17') Depth to Groundwater Approx. 13 - 15'	4/5/2012	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0
	7/9/2012	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0
	10/12/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0
	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0
	4/26/2016	<1.0	<1.0	<1.0	<1.0	1.3	<1.0	<1.0
	11/28/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12d (33-38') Depth to Groundwater Approx. 13 - 15'	7/9/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/12/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/31/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/7/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/15/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-14d (37.5-42.5') Depth to Groundwater Approx. 30 - 31'	11/14/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/16/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/20/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/27/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Concentrations Protective of Hypothetical Residential/Non-Residential Drinking Water Pathway and Cleanup Levels Protective of the Residential/Non-Residential Groundwater Volatilization to Indoor Air Pathway from Table 6 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

 Denotes concentrations above one or more cleanup levels

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit.

1) Cleanup level not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

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 Former Tecumseh Products Company Site
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Concentrations Protective of Hypothetical Residential Drinking Water Pathway		205	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway		441	7.0	70	100	5.0	200	5.0	2.0
Cleanup Levels Protective of the Residential Groundwater Volatilization to Indoor Air Pathway		4,300	4,700	3,600	4,000	165	17,000	130	NA ⁽¹⁾
Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway		18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-17s (3-8') Depth to Groundwater Approx. 6'	1/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/2/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/29/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/28/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/11/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/19/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-20s (8-13') Depth to Groundwater* Approx. 4 - 6'	5/15/2014	4.0	<2.0	<2.0	<2.0	<2.0	150	110	<2.0
	7/16/2014	3.9	<1.0	<1.0	<1.0	<1.0	140	130	<1.0
	11/26/2014	7.7	<1.0	1.2	<1.0	<1.0	120	120	<1.0
	3/25/2015	6.6	<1.0	1.1	<1.0	<1.0	82	83	<1.0
	5/20/2015	7.8	<1.0	1.5	<1.0	<1.0	96	110	<1.0
	12/3/2015	11	<1.0	1.5	<1.0	<1.0	89	86	<1.0
	4/28/2016	11	2.8	1.8	<1.0	<1.0	67	60	<1.0
	7/28/2016	10	<1.0	2.4	<1.0	<1.0	87	82	<1.0
	12/1/2016	7.3	<1.0	1.4	<1.0	<1.0	71	57	<1.0
	1/26/2017	5.3	<1.0	1.2	<1.0	<1.0	63	51	<1.0
	5/17/2017	3.6	<1.0	<1.0	<1.0	<1.0	63	48	<1.0
	11/28/2017	6.0	<1.0	<1.0	<1.0	<1.0	75.8	67.4	<1.0
MW-20d (38.5-43.5') Depth to Groundwater Approx. 12 - 16'	5/15/2014	<2.0	<2.0	380	<2.0	<2.0	<2.0	<2.0	110
	7/16/2014	<2.0	<2.0	330	<2.0	<2.0	<2.0	<2.0	100
	11/26/2014	<2.0	<2.0	310	<2.0	<2.0	<2.0	<2.0	73
	3/25/2015	<2.0	<2.0	310	<2.0	<2.0	<2.0	<2.0	77
	5/20/2015	<2.0	<2.0	360	2.1	<2.0	<2.0	3.5	65
	12/3/2015	<5.0	<5.0	610	<5.0	<5.0	<5.0	5.9	34
	4/28/2016	<5.0	<5.0	490	<5.0	<5.0	<5.0	6.4	51
	7/28/2016	<5.0	<5.0	420	<5.0	<5.0	<5.0	<5.0	57
	12/1/2016	<2.5	<2.5	370	<2.5	<2.5	<2.5	4.8	53
	1/26/2017	<2.5	<2.5	400	<2.5	<2.5	<2.5	3.7	56
	5/17/2017	<2.5	<2.5	340	<2.5	<2.5	<2.5	3.2	50
	11/28/2017	<2.5	<2.5	392	<2.5	<2.5	<2.5	6.4	50.2

Notes:

Concentrations Protective of Hypothetical Residential/Non-Residential Drinking Water Pathway and Cleanup Levels Protective of the Residential/Non-Residential Groundwater Volatilization to Indoor Air Pathway from Table 6 of the March 2017 Revised Corrective Measures Proposal.

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Table 6
 Summary of Chlorinated Constituents of Potential Concern at Offsite Monitoring Well Locations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Residential Drinking Water Pathway	205	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway	441	7.0	70	100	5.0	200	5.0	2.0
Cleanup Levels Protective of the Residential Groundwater Volatilization to Indoor Air Pathway	4,300	4,700	3,600	4,000	165	17,000	130	NA ⁽¹⁾
Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-21 (28.5-33.5') Depth to Groundwater Approx. 29 - 30'	11/12/2013	31	<10	130	<10	76	1,300	<10
	3/27/2014	25	<10	150	<10	64	1,000	<10
	5/19/2014	20	<10	170	<10	62	1,100	<10
	7/18/2014	17	<10	170	<10	63	1,300	<10
	11/26/2014	16	<10	180	<10	71	1,600	<10
	3/25/2015	14	<10	170	<10	55	1,100	<10
	5/21/2015	15	<10	180	<10	53	1,200	<10
	12/4/2015	11	<10	160	<10	48	1,100	<10
	4/22/2016	13	<10	170	<10	44	1,000	<10
	7/29/2016	13	<10	190	<10	38	1,100	<10
	12/2/2016	12	<10	160	<10	41	950 ⁽²⁾	<10
	1/26/2017	12	<10.0	160	<10.0	36	920	<10.0
	5/15/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	90
MW-23 (17-22') Depth to Groundwater* Approx. 8 - 10'	7/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	90
	11/25/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	100
	3/25/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	110
	5/20/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	130
	12/3/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	120
	4/27/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	130
	7/28/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	110
	12/1/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	120
	1/26/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	120
	5/16/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	130
	11/30/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	162
	4/2/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-24s (18.5'-23.5') Depth to Groundwater Approx. 19 - 21'	10/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/29/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/25/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

Concentrations Protective of Hypothetical Residential/Non-Residential Drinking Water Pathway and Cleanup Levels Protective of the Residential/Non-Residential Groundwater Volatilization to Indoor Air Pathway from Table 6 of the March 2017 Revised Corrective Measures Proposal.

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 Former Tecumseh Products Company Site
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Analyte		1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Concentrations Protective of Hypothetical Residential Drinking Water Pathway		205	7.0	70	100	5.0	200	5.0	2.0
Concentrations Protective of Hypothetical Non-Residential Drinking Water Pathway		441	7.0	70	100	5.0	200	5.0	2.0
Cleanup Levels Protective of the Residential Groundwater Volatilization to Indoor Air Pathway		4,300	4,700	3,600	4,000	165	17,000	130	NA ⁽¹⁾
Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway		18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-24d (39-44') Depth to Groundwater Approx. 19 - 21'	4/2/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/5/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/3/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/4/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/25/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-30s (11-16') Depth to Groundwater* Approx. 9 - 11'	4/9/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-30d (25.5-30.5') Depth to Groundwater* Approx. 9 - 11'	4/9/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/9/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/19/2012	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/30/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/5/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/19/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/27/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/30/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

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Concentrations Protective of Hypothetical Residential Drinking Water Pathway		205	7.0	70	100	5.0	200	5.0	2.0
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Cleanup Levels Protective of the Residential Groundwater Volatilization to Indoor Air Pathway		4,300	4,700	3,600	4,000	165	17,000	130	NA ⁽¹⁾
Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway		18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-38s (9-14') Depth to Groundwater Approx. 9 - 10'	8/29/2013	20	<2.5	42	3.4	<2.5	22	280	17
	11/11/2013	21	<2.0	35	3.0	<2.0	28	290	19
	7/17/2014	13	<2.0	26	2.5	<2.0	21	240	11
	11/26/2014	9.4	<2.0	21	2.4	<2.0	24	310	9.3
	3/25/2015	7.6	<2.0	19	2.0	<2.0	15	210	9.7
	5/21/2015	8.1	<2.0	23	2.4	<2.0	15	250	10
	12/3/2015 ⁽²⁾	6.2	<2.0	20	2.2	<2.0	14	250	6.3
	4/28/2016	4.6	<1.0	14	1.4	<1.0	7.1	130	4.7
	7/27/2016	6.7	<2.0	22	2.7	<2.0	9.9	200	7.4
	12/1/2016	4.7	<2.0	13	<2.0	<2.0	8.8	170	6.0
	1/26/2017	4.3	<1.0	12	1.4	<1.0	7.0	140	5.6
	11/28/2017	3.8	<1.0	11.6	1.3	<1.0	4.7	98.7	2.9
MW-38d (29-34') Depth to Groundwater Approx. 30 - 32'	3/27/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/17/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/25/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/28/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/2/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/27/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/23/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/28/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<1.0
MW-41 (3.3-6.3') Depth to Groundwater Approx. 0 - 1'	9/1/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/4/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	4/22/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/28/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	<1.0
	11/30/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/24/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-43s (9-14') Depth to Groundwater Approx. 11-12'	4/26/2016	3.7	<2.5	320	21	<2.5	<2.5	<2.5	<2.5
	7/27/2016	3.4	<2.5	340	24	<2.5	<2.5	2.9	<2.5
	12/1/2016	3.9	<2.5	350	25	<2.5	<2.5	<2.5	<2.5
	1/25/2017	3.6	<2.5	350	26	<2.5	<2.5	<2.5	<2.5
	5/15/2017	<2.5	<2.5	200	14	<2.5	<2.5	<2.5	<2.5
	11/30/2017	3.5	<2.5	317	24.9	<2.5	<2.5	<2.5	<2.5

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Cleanup Levels Protective of the Non-Residential Groundwater Volatilization to Indoor Air Pathway	18,000	42,000	32,000	36,000	1,400	71,000	1,100	NA ⁽¹⁾
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-49s (28.5-33.5') Depth to Groundwater Approx. 28-30'	3/20/2018	37.6	<10.0	832	14.9	<10.0	37.7	1,510
MW-49d (34.25-39.25') Depth to Groundwater Approx. 28-30'	3/20/2018	26.2	<20.0	478	<20.0	<20.0	89.9	2,590
MW-50s (11-16') Depth to Groundwater Approx. 10-12'	3/21/2018	18.4	13.1	810	28.7	<10.0	<10.0	1,360
MW-50i (22-27') Depth to Groundwater Approx. 11-13'	3/21/2018	<10.0	<10.0	120	<10.0	<10.0	<10.0	770
MW-50d (33.5-38.5') Depth to Groundwater Approx. 12-14'	3/21/2018	<50.0	<50.0	4,490	<50.0	<50.0	<50.0	103
MW-51 (32.5-37.5') Depth to Groundwater Approx. 29-30'	3/20/2018	<50.0	<50.0	4,320	<50.0	<50.0	<50.0	1,230
								370

Notes:

Concentrations Protective of Hypothetical Residential/Non-Residential Drinking Water Pathway and Cleanup Levels Protective of the Residential/Non-Residential Groundwater Volatilization to Indoor Air Pathway from Table 6 of the March 2017 Revised Corrective Measures Proposal.

ug/L = micrograms per liter

Bold font denotes concentrations detected above laboratory reporting limits

 Denotes concentrations above one or more cleanup levels

* An asterisk indicates that the depth to groundwater intersects or may periodically intersect an overlying clay unit.

1) Cleanup level not applicable. Multiple lines of evidence indicate that vinyl chloride breaks down rapidly in the capillary fringe and does not pose a vapor intrusion concern.

2) Results are approximate as indicated during laboratory data quality review.

Table 7
 Summary of Chlorinated Constituents of Potential Concern at GSI Compliance Sample Locations
 Tecumseh Products Company
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Cleanup Levels Protective of All Receptors/Pathways at the Wetland (Non-Mixing Zone-Based)	740	130	620	1,500	60	89	200	13
Cleanup Levels Protective of All Receptors/Pathways at the River Raisin (Mixing Zone-Based)	13,000	2,300	11,000	28,000	2,900	1,600	3,500	NA ⁽¹⁾
Cleanup Levels Protective of Direct Contact with Surface Water	NC	198,000	11,600	83,600	5,740	NC	1,570	263
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Groundwater Sample Locations								
MW-42s (3-6') Depth to Groundwater Approx. 0-1'	12/1/2015	<20	<20	1,700	<20	<20	<20	36
	11/21/2017	14.6	<10.0	1,440	12.7	<10.0	<10.0	70.6
	3/21/2018	13.6	<10.0	1,340	10.8	<10.0	<10.0	33.9
MW-42d (5.6-8.6') Depth to Groundwater Approx. 0'	9/1/2015	15	<10	1,100	11	<10	25	1,200
	12/1/2015	16	<10	1,500	14	<10	22	1,100
	4/22/2016	16	<10	1,200	15	<10	22	970
	7/28/2016	15	<10	1,200	15	<10	24	1,100
	11/29/2016	13	<10	1,200	15	<10	21	840
	1/24/2017	13	<10	1,200	15	<10	23	970
	11/21/2017	12.9	<10.0	1,010	12.6	<10.0	21.7	911
	3/21/2018	13.7	<10.0	1,170	15.2	<10.0	22.9	1,080
MW-46d (5-8') Depth to Groundwater Approx. -3-0'	12/1/2015	<10	<10	1,400	12	<10	12	120
	11/21/2017	5.6	<5.0	698	7.9	<5.0	7.2	163
	3/21/2018	6.0	<5.0	828	13.0	<5.0	9.6	214
MW-47d (7.4-10.4') Depth to Groundwater Approx. 0-3'	12/1/2015	25	<2.5	57	<2.5	<2.5	<2.5	270
	11/21/2017	23.1	<1.0	83.8	2.2	<1.0	<1.0	11.1
	3/21/2018	10.8	<1.0	38.8	1.5	<1.0	<1.0	8.4
Pore Water Sample Locations								
PW-01	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
PW-04	4/5/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/26/2016	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0
	11/29/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	11/21/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/20/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
PW-07	4/4/2016	5.2	<1.0	18	1.1	<1.0	<1.0	3.1
	7/26/2016	4.6	<1.0	44	1.4	<1.0	<1.0	5.6
	11/29/2016	3.3	<1.0	35	<1.0	<1.0	<1.0	8.1
	11/21/2017	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	9.1
	3/20/2018	5.4	<1.0	47.9	1.4	<1.0	<1.0	7.2
								20.1

Notes:

Cleanup Levels Protective of All Receptors/Pathways at the Wetland, Cleanup Levels Protective of All Receptors/Pathways at the River Raisin, and Cleanup Levels Protective of Direct Contact with Surface Water are from Table 7 of the March 2017 Revised Corrective Measures Proposal. Table 7 of that report was subsequently revised and resubmitted to USEPA in February 2018.

ug/L = micrograms per liter

NC = Criteria Not Calculated

Bold font denotes concentrations detected above laboratory reporting limits

Denotes concentrations above one or more site specific cleanup level

(1) Mixing zone-based criteria not developed as compound is not likely to exceed water quality standards to River Raisin. Cleanup levels are not applicable.

Table 7
 Summary of Chlorinated Constituents of Potential Concern at GSI Compliance Sample Locations
 Tecumseh Products Company
 Tecumseh, Michigan

Analyte	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride
Cleanup Levels Protective of All Receptors/Pathways at the Wetland (Non-Mixing Zone-Based)	740	130	620	1,500	60	89	200	13
Cleanup Levels Protective of All Receptors/Pathways at the River Raisin (Mixing Zone-Based)	13,000	2,300	11,000	28,000	2,900	1,600	3,500	NA ⁽¹⁾
Cleanup Levels Protective of Direct Contact with Surface Water	NC	198,000	11,600	83,600	5,740	NC	1,570	263
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Seep Sample Locations									
SP-01	4/22/2016	6.6	<1.0	560	8.5	<1.0	11	61	<1.0
	7/26/2016	<5.0	<5.0	620	<5.0	<5.0	5.0	83	<5.0
	11/29/2016	<25	<25	3,300	28	<25	<25	790	<25
	5/16/2017	<20	<20	1,700	<20	<20	<20	600	<20
	11/21/2017	<20.0	<20.0	2,100	33.3	<20.0	<20.0	675	<20.0
	3/20/2018	<20.0	<20.0	2,000	<20.0	<20.0	<20.0	689	<20.0
	4/22/2016	16	2.1	1,600	15	<1.0	16	1,000	<1.0
SP-02	7/26/2016	9.8	<5.0	120	<5.0	<5.0	24	710	<5.0
	11/29/2016	21	<10	330	<10	<10	57	1,400	<10
	5/16/2017	16	<10	250	<10	<10	49	1,200	<10
	11/21/2017	18.7	<10.0	292	<10.0	<10.0	42.4	1,110	<10.0
	3/20/2018	23.9	<10.0	379	12.4	<10.0	61.6	1,580	<10.0
	4/22/2016	9.5	<1.0	74	1.8	<1.0	23	360	<1.0
SP-03	7/26/2016	4.8	<2.5	69	<2.5	<2.5	13	300	<2.5
	11/29/2016	9.9	<5.0	110	<5.0	<5.0	25	470	<5.0
	5/16/2017	14	<10	170	<10	<10	52	1,000	<10
	11/21/2017	14.5	<10.0	238	<10.0	<10.0	49.7	1,340	<10.0
	3/20/2018	13.6	<10.0	195	<10.0	<10.0	33.7	897	<10.0

Notes:

Cleanup Levels Protective of All Receptors/Pathways at the Wetland, Cleanup Levels Protective of All Receptors/Pathways at the River Raisin, and Cleanup Levels Protective of Direct Contact with Surface Water are from Table 7 of the

March 2017 Revised Corrective Measures Proposal. Table 7 of that report was subsequently revised and resubmitted to USEPA in February 2018.

ug/L = micrograms per liter

NC = Criteria Not Calculated

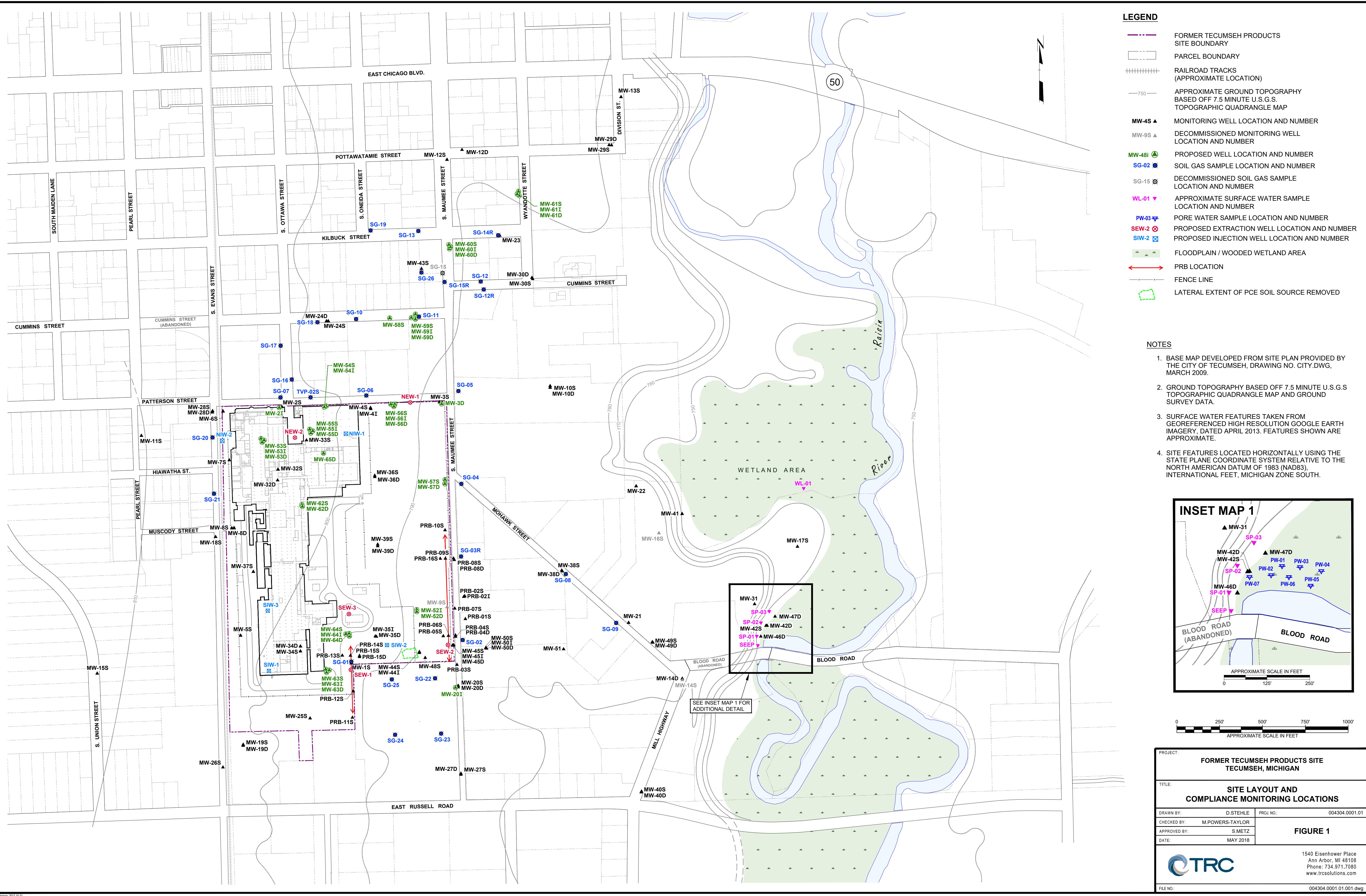
Bold font denotes concentrations detected above laboratory reporting limits

 Denotes concentrations above one or more site specific cleanup level

(1) Mixing zone-based criteria not developed as compound is not likely to exceed water quality standards to River Raisin. Cleanup levels are not applicable.

Technical Memorandum

Figures



Technical Memorandum

Attachment 1
Soil Boring Logs and Well Construction Forms



WELL CONSTRUCTION LOG

WELL NO. MW-45d

Page 1 of 2

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/13/18	Date Drilling Completed: 03/13/18	Project Number: 297903.0000
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push		Surface Elev. (ft) 784.7	TOC Elevation (ft) 783.70	Total Depth (ft bgs) 40.0
Boring Location: In Maumee Street right-of-way, adjacent to MW-45s and MW-45i. N: 180679.64 E: 13239351.74			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT	
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	03/15/18 14:25	Depth (ft bgs) 8.5
SAMPLE	RECOVERY (%)	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG WELL DIAGRAM COMMENTS
			TOPSOIL mostly fine sand, some silt, few clay, very dark brown (10YR 2/2), no odor, moist, medium dense, roots.	CL	
		2	LEAN CLAY mostly lean clay, few fine to coarse sand, trace to few silt, nonplastic to low plasticity, dark yellowish brown (10YR 4/4), no odor, moist, medium stiff to stiff.	CL	
		4	SANDY CLAY mostly lean clay, some fine to medium sand, trace to few silt, medium plasticity, dark yellowish brown (10YR 4/4), no odor, moist, medium stiff.	SP	
		6	POORLY GRADED SAND mostly fine to medium sand, trace silt, dark yellowish brown (10YR 4/3), no odor, dry to moist, loose.	CL	
		8	LEAN CLAY WITH GRAVEL mostly lean clay, little fine to coarse gravel, trace to few medium to coarse sand, nonplastic, dark yellowish brown (10YR 4/3), no odor, dry to moist, stiff to very stiff.	SP	
		10	POORLY GRADED SAND mostly fine to medium sand, few silt, gray (10YR 5/1), no odor, dry to moist, loose to medium dense.	SW	
		12	WELL GRADED SAND mostly fine to coarse sand, few silt, trace fine gravel, gray (10YR 5/1), no odor, dry to moist, loose to medium dense. Change to saturated at 8.0 feet.		Blind drill to 30.0 feet below ground surface. Lithology from 0 to 25.0 feet previously logged at adjacent MW-45i.
		14	Change to few fine gravel at 12.0 feet.		
		16	POORLY GRADED SAND mostly medium to coarse sand, few fine gravel, few fine sand, few silt, gray (10YR 5/1), no odor, saturated, loose to medium dense.	SP	
		18	Grades to few to little fine gravel at 16.5 feet. Grades to mostly fine to coarse sand, trace fine gravel at 17.5 feet. Grades to mostly fine to medium sand, few coarse sand at 18.0 feet.		

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. MW-45d

Page 2 of 2

SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
					POORLY GRADED SAND mostly fine to medium sand, trace silt, gray (10YR 5/1), no odor, saturated, loose to medium dense.				
				22					
				24					
				26	Blind drill to 30.0 feet below ground surface.				
				28					
				30	Change to dark grayish brown (10YR 4/2), dense at 30.0 feet.				
				32					
				34					
				36	WELL GRADED SAND mostly medium to coarse sand, trace to few fine sand, trace silt, dark grayish brown (10YR 4/2), no odor, saturated, medium dense.	SP			
				38	LEAN CLAY mostly lean clay, trace fine to coarse sand, trace silt, medium plasticity, dark grayish brown (10YR 4/2), no odor, saturated, hard.	SW			
				40	End of boring at 40.0 feet below ground surface.	CL			
				42					
				44					
				46					



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-45D		
PROJ. NO: 297903.0000	DATE INSTALLED: 3/13/2018	INSTALLED BY: M. Powers-Taylor		
CHECKED BY: C. Scieszka				
ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	CASING AND SCREEN DETAILS		
784.7	0.0 GROUND SURFACE	TYPE OF RISER: <u>2-INCH PVC</u>		
783.70	1.0 TOP OF CASING	PIPE SCHEDULE: <u>40</u>		
	0.5 CEMENT SURFACE PLUG	PIPE JOINTS: <u>THREADED O-RINGS</u>		
	GROUT/BACKFILL MATERIAL	SCREEN TYPE: <u>2-INCH PVC</u>		
	NA	SCR. SLOT SIZE: <u>0.01-INCH</u>		
	GROUT/BACKFILL METHOD	BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>40</u> FT.		
	NA	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
30.0	NA GROUT	SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT.		
	BENTONITE SEAL MATERIAL	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
	SLURRY			
	23.5 BENTONITE SEAL			
753.7	31.0 TOP OF SCREEN	WELL DEVELOPMENT		
5.0	FILTER PACK MATERIAL	DEVELOPMENT METHOD: <u>SURGE AND PUMP</u>		
	WASHED SAND & NATURAL COLLAPSE	TIME DEVELOPING: <u>0.5</u> HOURS		
748.7	36.0 BOTTOM OF SCREEN	WATER REMOVED: <u>45</u> GALLONS		
	40.0 BOTTOM OF FILTER PACK	WATER ADDED: <u>0</u> GALLONS		
	NA BENTONITE PLUG	WATER CLARITY BEFORE / AFTER DEVELOPMENT		
	BACKFILL MATERIAL	CLARITY BEFORE: <u>VERY TURBID</u>		
	NATURAL COLLAPSE	COLOR BEFORE: <u>DARK GRAYISH BROWN</u>		
744.7	40.0 HOLE BOTTOM	CLARITY AFTER: <u>CLEAR</u>		
		COLOR AFTER: <u>COLORLESS</u>		
		ODOR (IF PRESENT): <u>NONE</u>		
WATER LEVEL SUMMARY				
MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	34.96	T/PVC	3/15/2018	1425
DTB AFTER DEVELOPING:	34.98	T/PVC	3/16/2018	1216
SWL BEFORE DEVELOPING:	7.50	T/PVC	3/15/2018	1425
SWL AFTER DEVELOPING:	7.46	T/PVC	3/16/2018	1216
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		
PROTECTIVE CASING DETAILS				
PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
LOCK KEY NUMBER: <u>3120</u>				
NOTES:				



WELL CONSTRUCTION LOG

WELL NO. MW-48s

Page 1 of 1

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/13/18	Date Drilling Completed: 03/13/18	Project Number: 297903.0000					
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push	Surface Elev. (ft) 786.6	TOC Elevation (ft) 786.05	Total Depth (ft bgs) 15.0	Borehole Dia. (in) 3.25					
Boring Location: N: 180607.22 E: 13239190.48			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT						
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time 03/13/18 00:00 ▽ After Drilling: Date/Time 03/16/18 14:27 ▽	Depth (ft bgs) 8.75 Depth (ft bgs) 9.67						
SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
1 GP	80			1	TOPSOIL mostly silt, little fine sand, trace clay, very dark brown (10YR 3/3), no odor, moist, dense, roots.	ML			<1	
				2	SILT WITH SAND mostly silt, little fine sand, trace clay, very dark brown (10YR 3/3), no odor, moist, dense.	CL			<1	
				4	SANDY LEAN CLAY mostly lean clay, some sand, trace to few silt, low plasticity, brown (10YR 5/3) mottled with dark yellowish brown (10YR 4/3), no odor, moist, soft to medium stiff. Change to trace fine to coarse gravel at 3.5 feet.	SW-SC CL			<1	
				6	SAND WITH CLAY mostly fine to coarse sand, some lean clay, trace silt, trace fine to coarse gravel, dark yellowish brown (10YR 4/3), no odor, moist, dense. SANDY LEAN CLAY mostly lean clay, some sand, trace to few silt, low plasticity, brown (10YR 5/3) mottled with dark yellowish brown (10YR 4/3), no odor, moist, soft to medium stiff.	SP			1.2	
				8	POORLY GRADED SAND mostly fine to medium sand, dark grayish brown (10YR 4/2), no odor, moist, loose. Change to mostly fine to coarse sand at 8.0 feet.				1.5	
				10	Change to saturated at 8.75 feet.				3.2	
				12	Change to few silt at 10.0 feet.					
				14	End of boring at 15.0 feet below ground surface.					
				16						
				18						

SOIL BORING WELL CONSTRUCTION LOG 297903 2018 MW INSTALLATION GPJ TRC CORP GDT 297903.0000 05/16/18

Signature:

Firm: TRC Environmental Corporation

1540 Eisenhower Place Ann Arbor, MI 48108

734.971.7080

Fax 734.971.9022



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-48S		
PROJ. NO: 297903.0000	DATE INSTALLED: 3/13/2018	INSTALLED BY: M. Powers-Taylor		
CHECKED BY: C. Scieszka				
ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	CASING AND SCREEN DETAILS		
786.6	0.0 GROUND SURFACE	TYPE OF RISER: <u>2-INCH PVC</u>		
786.05	0.6 TOP OF CASING	PIPE SCHEDULE: <u>40</u>		
	0.5 CEMENT SURFACE PLUG	PIPE JOINTS: <u>THREADED O-RINGS</u>		
	GROUT/BACKFILL MATERIAL	SCREEN TYPE: <u>2-INCH PVC</u>		
	NA	SCR. SLOT SIZE: <u>0.01-INCH</u>		
	GROUT/BACKFILL METHOD	BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>15</u> FT.		
	NA	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
7.2	NA GROUT	SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT.		
	BENTONITE SEAL MATERIAL	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
	GRANULAR			
	4.5 BENTONITE SEAL			
778.9	7.75 TOP OF SCREEN	WELL DEVELOPMENT		
5.0	FILTER PACK MATERIAL	DEVELOPMENT METHOD: <u>SURGE AND PUMP</u>		
	WASHED SAND & NATURAL COLLAPSE	TIME DEVELOPING: <u>1</u> HOURS		
773.9	12.75 BOTTOM OF SCREEN	WATER REMOVED: <u>30</u> GALLONS		
	12.75 BOTTOM OF FILTER PACK	WATER ADDED: <u>0</u> GALLONS		
	NA BENTONITE PLUG	WATER CLARITY BEFORE / AFTER DEVELOPMENT		
	BACKFILL MATERIAL	CLARITY BEFORE: <u>VERY TURBID</u>		
	NATURAL COLLAPSE	COLOR BEFORE: <u>DARK BROWN</u>		
771.6	15.0 HOLE BOTTOM	CLARITY AFTER: <u>CLEAR</u>		
		COLOR AFTER: <u>COLORLESS</u>		
		ODOR (IF PRESENT): <u>NONE</u>		
WATER LEVEL SUMMARY				
MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	12.47	T/PVC	3/16/2018	1427
DTB AFTER DEVELOPING:	12.49	T/PVC	3/16/2018	1526
SWL BEFORE DEVELOPING:	9.12	T/PVC	3/16/2018	1427
SWL AFTER DEVELOPING:	9.13	T/PVC	3/16/2018	1526
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		
PROTECTIVE CASING DETAILS				
PERMANENT, LEGIBLE WELL LABEL ADDED?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
PROTECTIVE COVER AND LOCK INSTALLED?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
LOCK KEY NUMBER: 3120				
NOTES:				



WELL CONSTRUCTION LOG

WELL NO. MW-49s

Page 1 of 2

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/15/18	Date Drilling Completed: 03/15/18	Project Number: 297903.0000			
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push		Surface Elev. (ft) 780.6	TOC Elevation (ft) 779.82	Total Depth (ft bgs) 33.5			
Boring Location: Approximately 5 feet west of MW-49d on Mohawk Street. Adjacent to B-86. N: 180701.19 E: 13240515.03			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT				
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time 03/15/18 00:00 ▼ After Drilling: Date/Time 03/16/18 09:40 ▼	Depth (ft bgs) 29.0 Depth (ft bgs) 19.48				
SAMPLE	RECOVERY (%)	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
			TOPSOIL range of particle sizes, very dark grayish brown (10YR 3/2), moist, roots and grass present.	CL-ML				Blind drilled to 33.5 feet. Lithology from 0 to 25.0 feet previously logged at adjacent soil boring B-86. Lithology from 25.0 to 33.5 feet logged at adjacent boring MW-49d.
		2	SILTY CLAY mostly lean clay, little to some silt, few to little fine to medium sand, non-plastic, dark brown (10YR 3/3), no odor, moist, medium stiff to stiff.	SW				
		4	WELL GRADED SAND mostly fine to coarse sand, trace fine to coarse subangular gravel, brown (10YR 4/3), no odor, moist, medium dense.	CL-ML				
		6	SILTY CLAY mostly lean clay, little to some silt, non-plastic, yellowish brown (10YR 5/6), no odor, moist, medium stiff to stiff, roots present.	SW-SC				
		8	WELL GRADED SAND WITH CLAY mostly fine to medium sand, few to little clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, brown (10YR 4/3), no odor, moist to saturated, dense.	SW-SC				
		10		SW				
		12						
		14	WELL GRADED SAND mostly fine to medium sand, trace to few clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, brown (10YR 5/3), no odor, dry, dense.	SW				
		16	Change to moist to saturated at 14.8 feet.					
		18	Change to very dense at 17.0 feet.					
			Change to medium dense to dense at 18.0 feet.					
			▼					

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. MW-49s

Page 2 of 2

SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
1 GP		80			Change to mostly fine to coarse sand, no gravel, no silt, dark grayish brown (10YR 4/2), loose at 20.0 feet.	SW				
				22	WELL GRADED SAND WITH CLAY mostly fine to coarse sand, few to little lean clay, dark yellowish brown (10YR 4/4), no odor, moist to saturated, loose.					
				24	Change to mostly fine to medium sand, few to little lean clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, dark brown (10YR 3/3), dense at 22.5 feet.					
				26	Change to mostly fine to coarse sand, trace to few silt, trace to few clay, dark yellowish brown (10YR 4/3), moist, medium dense at 25.0 feet.				1.7	
				28					2.3	
				30	Change to saturated at 29.0 feet.				4.7	
	2 GP	80		32						
				34	End of boring at 33.5 feet below ground surface.					
				36						
				38						
				40						
				42						
				44						
				46						



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-49S																																										
PROJ. NO: 297903.0000	DATE INSTALLED: 3/15/2018	INSTALLED BY: M. Powers-Taylor																																										
CHECKED BY: C. Scieszka																																												
<table border="1"><thead><tr><th>ELEVATION (BENCHMARK: USGS)</th><th>DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)</th></tr></thead><tbody><tr><td>780.6</td><td>0.0 GROUND SURFACE</td></tr><tr><td>779.82</td><td>0.8 TOP OF CASING</td></tr><tr><td></td><td>1.0 CEMENT SURFACE PLUG</td></tr><tr><td></td><td>GROUT/BACKFILL MATERIAL</td></tr><tr><td></td><td>NA</td></tr><tr><td></td><td>GROUT/BACKFILL METHOD</td></tr><tr><td></td><td>NA</td></tr><tr><td>27.7</td><td>NA GROUT</td></tr><tr><td></td><td>BENTONITE SEAL MATERIAL</td></tr><tr><td></td><td>GRANULAR</td></tr><tr><td></td><td>25.0 BENTONITE SEAL</td></tr><tr><td>752.1</td><td>28.5 TOP OF SCREEN</td></tr><tr><td></td><td>FILTER PACK MATERIAL</td></tr><tr><td></td><td>WASHED SAND & NATURAL COLLAPSE</td></tr><tr><td>5.0</td><td>33.5 BOTTOM OF SCREEN</td></tr><tr><td></td><td>33.5 BOTTOM OF FILTER PACK</td></tr><tr><td>747.1</td><td>NA BENTONITE PLUG</td></tr><tr><td></td><td>BACKFILL MATERIAL</td></tr><tr><td></td><td>NATURAL COLLAPSE</td></tr><tr><td>747.1</td><td>33.5 HOLE BOTTOM</td></tr></tbody></table>		ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	780.6	0.0 GROUND SURFACE	779.82	0.8 TOP OF CASING		1.0 CEMENT SURFACE PLUG		GROUT/BACKFILL MATERIAL		NA		GROUT/BACKFILL METHOD		NA	27.7	NA GROUT		BENTONITE SEAL MATERIAL		GRANULAR		25.0 BENTONITE SEAL	752.1	28.5 TOP OF SCREEN		FILTER PACK MATERIAL		WASHED SAND & NATURAL COLLAPSE	5.0	33.5 BOTTOM OF SCREEN		33.5 BOTTOM OF FILTER PACK	747.1	NA BENTONITE PLUG		BACKFILL MATERIAL		NATURAL COLLAPSE	747.1	33.5 HOLE BOTTOM	CASING AND SCREEN DETAILS
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		PIPE JOINTS: <u>THREADED O-RINGS</u>																																										
		SCREEN TYPE: <u>2-INCH PVC</u>																																										
		SCR. SLOT SIZE: <u>0.01-INCH</u>																																										
		BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>33.5</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT.																																										
		SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT.																																										
WELL DEVELOPMENT																																												
DEVELOPMENT METHOD: <u>SURGE AND PUMP</u>																																												
TIME DEVELOPING: <u>0.33</u> HOURS																																												
WATER REMOVED: <u>27</u> GALLONS																																												
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WATER CLARITY BEFORE / AFTER DEVELOPMENT																																												
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CLARITY AFTER: <u>CLEAR</u>																																												
COLOR AFTER: <u>COLORLESS</u>																																												
ODOR (IF PRESENT): <u>NONE</u>																																												
WATER LEVEL SUMMARY																																												
MEASUREMENT (FEET) DATE TIME																																												
DTB BEFORE DEVELOPING: <u>32.98</u> T/PVC <u>3/16/2018</u> <u>0940</u>																																												
DTB AFTER DEVELOPING: <u>33.01</u> T/PVC <u>3/16/2018</u> <u>1000</u>																																												
SWL BEFORE DEVELOPING: <u>28.68</u> T/PVC <u>3/16/2018</u> <u>0940</u>																																												
SWL AFTER DEVELOPING: <u>28.68</u> T/PVC <u>3/16/2018</u> <u>1000</u>																																												
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PROTECTIVE CASING DETAILS																																												
PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																																												
PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																																												
LOCK KEY NUMBER: <u>3120</u>																																												
NOTES:																																												



WELL CONSTRUCTION LOG

WELL NO. MW-49d

Page 1 of 2

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/15/18	Date Drilling Completed: 03/15/18	Project Number: 297903.0000			
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push		Surface Elev. (ft) 780.6	TOC Elevation (ft) 780.02	Total Depth (ft bgs) 40.0			
Boring Location: 175 feet southeast of MW-21 and 4.5 feet north of Mohawk Street. Adjacent B-86. N: 180699.46 E: 13240517.27			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT				
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time 03/15/18 00:00 ▼ After Drilling: Date/Time 03/16/18 08:10 ▼	Depth (ft bgs) 29.0 Depth (ft bgs) 29.48				
SAMPLE	RECOVERY (%)	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
			TOPSOIL range of particle sizes, very dark grayish brown (10YR 3/2), moist, roots and grass present.	CL-ML				Blind drilled to 25.0 feet. Lithology from 0 to 25.0 feet previously logged at adjacent soil boring B-86.
		2	SILTY CLAY mostly lean clay, little to some silt, few to little fine to medium sand, non-plastic, dark brown (10YR 3/3), no odor, moist, medium stiff to stiff.	SW				
		4	WELL GRADED SAND mostly fine to coarse sand, trace fine to coarse subangular gravel, brown (10YR 4/3), no odor, moist, medium dense.	CL-ML				
		6	SILTY CLAY mostly lean clay, little to some silt, non-plastic, yellowish brown (10YR 5/6), no odor, moist, medium stiff to stiff, roots present.	SW-SC				
		8	WELL GRADED SAND WITH CLAY mostly fine to medium sand, few to little clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, brown (10YR 4/3), no odor, moist to saturated, dense.	SW-SC				
		10		SW-SC				
		12		SW-SC				
		14	WELL GRADED SAND mostly fine to medium sand, trace to few clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, brown (10YR 5/3), no odor, dry, dense.	SW				
		16	Change to moist to saturated at 14.8 feet.	SW				
		18	Change to very dense at 17.0 feet.	SW				
			Change to medium dense to dense at 18.0 feet.					

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. MW-49d

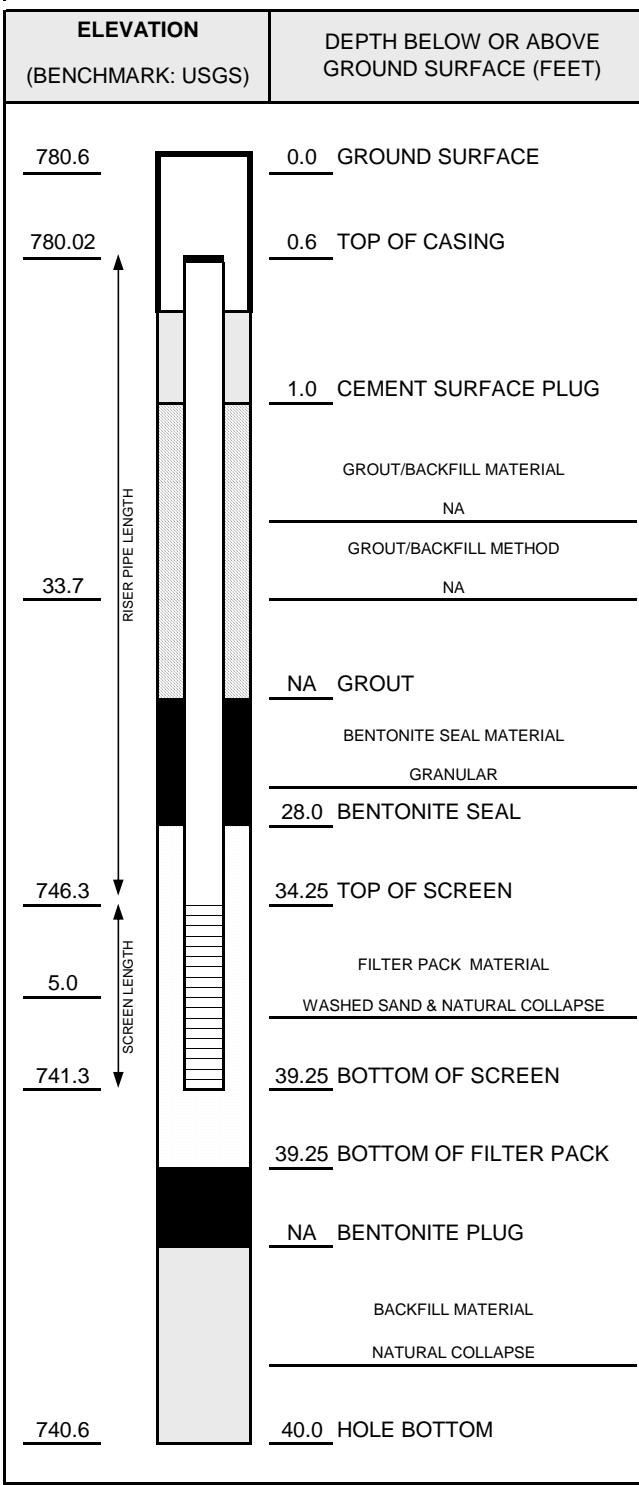
Page 2 of 2

SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
1	GP	80			Change to mostly fine to coarse sand, no gravel, no silt, dark grayish brown (10YR 4/2), loose at 20.0 feet.	SW				
				22	WELL GRADED SAND WITH CLAY mostly fine to coarse sand, few to little lean clay, dark yellowish brown (10YR 4/4), no odor, moist to saturated, loose.					
				24	Change to mostly fine to medium sand, few to little lean clay, trace to few fine to coarse subangular to subrounded gravel, trace silt, dark brown (10YR 3/3), dense at 22.5 feet.					
				26	Change to mostly fine to coarse sand, trace to few silt, trace to few clay, dark yellowish brown (10YR 4/3), moist, medium dense at 25.0 feet.				1.7	
				28					2.3	
				30	▼ Change to saturated at 29.0 feet.				4.7	
				32						
	2	GP	80	34	Change to mostly fine to medium sand, trace coarse sand, trace fine to coarse gravel at 33.5 feet.					
				36	Change to mostly fine sand, trace medium to coarse sand, no gravel at 35.0 feet.					
				38	Change to mostly fine to coarse sand, few silt, few clay at 37.5 feet.					
				40	LEAN CLAY mostly lean clay, trace silt, trace fine to coarse sand, trace fine to coarse gravel, medium plasticity, dark gray (10YR 4/1), no odor, saturated, stiff. End of boring at 40.0 feet below ground surface.	CL				
				42						
				44						
				46						



WELL CONSTRUCTION DIAGRAM

PROJ. NAME:	Tecumseh Products Company 2018 Monitoring Well Installation			WELL ID:	MW-49d
PROJ. NO:	297903.0000	DATE INSTALLED:	3/15/2018	INSTALLED BY:	M. Powers-Taylor



CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SSB SLOT SIZE: 0.01 INCL

BOREHOLE DIAMETER: 3.25 IN. FROM 0 TO 40 FT.
 IN. FROM TO FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.33 HOURS

WATER REMOVED: 20 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: VERY TURBID

COLOR BEFORE: BROWN

CLARITY AFTER: CLEAR

COI OR AFTER: COI OR LESS

ODOR (IF PRESENT): NONE

WATER LEVEL SUMMARY

MEASUREMENT (FEET) DATE TIME

BTB BEFORE DEVELOPING: 38.75 T/PVC 3/16/2018 0810

WT AFTER DEVELOPING: 38.75 T/PVC 3/16/2018 0948

WI BEFORE DEVELOPING: 28.88 T/PVC 3/16/2018 0810

WI AFTER DEVELOPING: 28.90 T/PVC 3/16/2018 0948

OTHER SWI : T/PVC

PROTECTIVE CASING DETAILS

PERMANENT LEGIBLE WELL LABEL ADDED? YES NO

PROTECTIVE COVER AND LOCK INSTALLED? YES NO

LOCK KEY NUMBER: 3120



WELL CONSTRUCTION LOG

WELL NO. MW-50s

Page 1 of 1

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/12/18	Date Drilling Completed: 03/12/18	Project Number: 297903.0000
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push	Surface Elev. (ft) 784.4	TOC Elevation (ft) 783.63	Total Depth (ft bgs) 16.0	Borehole Dia. (in) 3.25
Boring Location: Northwest corner of school bus garage. Approximately 5 feet south west of MW-50d. N: 180667.11 E: 13239544.22			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT	
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	03/15/18 13:20	Depth (ft bgs) 11.73
SAMPLE	NUMBER AND TYPE	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG WELL DIAGRAM
					COMMENTS
			ASPHALT		
			CLAYEY SAND mostly fine to coarse sand, little clay, few silt, trace fine gravel, very dark gray (10YR 3/1), slight petroleum-like odor, moist, dense, trace coal fragments.	SC	
		2	LEAN CLAY WITH SAND mostly lean clay, little fine sand, few silt, low plasticity, very dark grayish brown (10YR 3/2), no odor, moist, very stiff.	CL	
		2.25	Change to olive brown (2.5Y 4/4) at 2.25 feet.		
		2.5	Change to some fine to medium sand at 2.5 feet.		
		4	Change to little fine to medium sand, dark yellowish brown (10YR 4/6) mottled with gray (10YR 5/1), slight petroleum-like odor, hard at 2.75 feet.		
		4.25	Change to mottled with light gray (10YR 7/1) at 3.5 feet.		
		4.5	Change to few to little fine sand at 4.0 feet.		
		4.75	Lens of SILTY SAND mostly fine sand, some silt, dark yellowish brown (10YR 4/4), no odor moist, medium dense, from 4.25 to 4.5 feet.	CL	
		5	Change to medium plasticity at 4.75 feet.	SM	
		6	LEAN CLAY mostly lean clay, few to little silt, low plasticity, light gray (10YR 7/1) mottled with dark yellowish brown (10YR 4/6), no odor, dry to moist, hard.	CL	
		7.5	Grades to mostly fine sand, trace medium sand at 7.5 feet.		
		8.5	Grades to mostly fine to medium sand at 8.5 feet.		
		10	SILTY SAND mostly fine to medium sand, some silt, few clay, dark yellowish brown (10YR 4/6), no odor, saturated, very dense. Grades to mostly fine sand, trace medium sand at 7.5 feet.	CL	
		10.75	Grades to mostly fine to medium sand at 8.5 feet.		
		11.75	LEAN CLAY mostly lean clay, medium plasticity, gray (10YR 5/1), no odor, moist, very stiff		
		12	POORLY GRADED SAND mostly medium to coarse sand, few fine sand, trace to few silt, trace fine to coarse gravel, dark yellowish brown (10YR 4/4), no odor, moist to saturated, loose.		
		12.5	Change to few fine to coarse gravel, yellowish brown (10YR 5/6) at 10.75 feet.	SP	
		14	Change to trace fine to coarse gravel, cobble present at 14.0 feet.		
		14.5	Change to mostly fine to medium sand, trace coarse sand, dry at 14.5 feet.		
		15	Change to dark grayish brown (10YR 4/2) at 15.0 feet.		
		15.5	Change to moist to saturated at 15.5 feet.		
		16	End of boring at 16.0 feet below ground surface.		

SOIL BORING WELL CONSTRUCTION LOG 297903 2018 MW INSTALLATION GPJ TRC CORP GDT 297903.0000 05/16/18

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-50s				
PROJ. NO: 297903.0000	DATE INSTALLED: 3/12/2018	INSTALLED BY: M. Powers-Taylor				
		CHECKED BY: C. Scieszka				
ELEVATION (BENCHMARK: USGS) DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)		CASING AND SCREEN DETAILS				
		TYPE OF RISER: <u>2-INCH PVC</u> PIPE SCHEDULE: <u>40</u> PIPE JOINTS: <u>THREADED O-RINGS</u> SCREEN TYPE: <u>2-INCH PVC</u> SCR. SLOT SIZE: <u>0.01-INCH</u> BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>16</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT. SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT.				
		WELL DEVELOPMENT				
		DEVELOPMENT METHOD: <u>SURGE AND PUMP</u> TIME DEVELOPING: <u>0.55</u> HOURS WATER REMOVED: <u>55</u> GALLONS WATER ADDED: <u>0</u> GALLONS				
		WATER CLARITY BEFORE / AFTER DEVELOPMENT				
		CLARITY BEFORE: <u>VERY TURBID</u> COLOR BEFORE: <u>DARK BROWN</u> CLARITY AFTER: <u>CLEAR</u> COLOR AFTER: <u>COLORLESS</u> ODOR (IF PRESENT): <u>NONE</u>				
		WATER LEVEL SUMMARY				
		MEASUREMENT (FEET) DATE TIME				
		DTB BEFORE DEVELOPING:	15.75	T/PVC	3/15/2018	1320
		DTB AFTER DEVELOPING:	15.89	T/PVC	3/16/2018	1235
		SWL BEFORE DEVELOPING:	10.93	T/PVC	3/15/2018	1320
		SWL AFTER DEVELOPING:	11.25	T/PVC	3/16/2018	1235
		OTHER SWL:		T/PVC		
		OTHER SWL:		T/PVC		
		PROTECTIVE CASING DETAILS				
		PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO LOCK KEY NUMBER: <u>3120</u>				



WELL CONSTRUCTION LOG

WELL NO. MW-50i

Page 1 of 2

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/12/18	Date Drilling Completed: 03/12/18	Project Number: 297903.0000
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push		Surface Elev. (ft) 784.3	TOC Elevation (ft) 783.82	Total Depth (ft bgs) 27.0
Boring Location: Northwest corner of school bus garage. Approximately 5 feet west of MW-50d. N: 180664.34 E: 13239542.90			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT	
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time After Drilling: Date/Time	03/15/18 13:15	Depth (ft bgs) 12.17
SAMPLE	NUMBER AND TYPE	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS GRAPHIC LOG WELL DIAGRAM COMMENTS
1 GP	100			ASPHALT CLAYEY SAND mostly fine to coarse sand, little clay, few silt, trace fine gravel, very dark gray (10YR 3/1), slight petroleum-like odor, moist, dense, trace coal fragments. LEAN CLAY WITH SAND mostly lean clay, little fine sand, few silt, low plasticity, very dark grayish brown (10YR 3/2), no odor, moist, very stiff. Change to olive brown (2.5Y 4/4) at 2.25 feet. Change to little fine to medium sand, dark yellowish brown (10YR 4/6) mottled with gray (10YR 5/1), slight petroleum-like odor, hard at 2.75 feet. Change to mottled with light gray (10YR 7/1) at 3.5 feet. Change to few to little fine sand at 4.0 feet. Lens of SILTY SAND mostly fine sand, some silt, dark yellowish brown (10YR 4/4), no odor moist, medium dense, from 4.25 to 4.5 feet. Change to medium plasticity at 4.75 feet. LEAN CLAY mostly lean clay, few to little silt, low plasticity, light gray (10YR 7/1) mottled with dark yellowish brown (10YR 4/6), no odor, dry to moist, hard. SILTY SAND mostly fine to medium sand, some silt, few clay, dark yellowish brown (10YR 4/6), no odor, saturated, very dense. Grades to mostly fine sand, trace medium sand at 7.5 feet. Grades to mostly fine to medium sand at 8.5 feet. LEAN CLAY mostly lean clay, medium plasticity, gray (10YR 5/1), no odor, moist, very stiff Poorly Graded Sand mostly medium to coarse sand, few fine sand, trace to few silt, trace fine to coarse gravel, dark yellowish brown (10YR 4/4), no odor, moist to saturated, loose. Change to few fine to coarse gravel, yellowish brown (10YR 5/6) at 10.75 feet. Change to trace fine to coarse gravel, cobble present at 14.0 feet. Change to mostly fine to medium sand, trace coarse sand, dry at 14.5 feet. Change to dark grayish brown (10YR 4/2) at 15.0 feet. Change to moist to saturated at 15.5 feet. Change to yellowish brown (10YR 5/6) at 16.0 feet. Change to dark yellowish brown (10YR 4/4) at 17.0 feet. Change to dark gray (10YR 4/1) at 19.0 feet.	SC CL CL SM CL SP
2 GP	50				Blind drilled boring from 0 to 27.0 feet. Lithology from 0 to 5.0 and 15.0 to 27.0 feet previously logged at adjacent soil boring B-134. Lithology from 5.0 to 15.0 feet logged at adjacent boring MW-50d.

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. MW-50i

Page 2 of 2

SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
					Change to dark grayish brown (10YR 4/2) at 20.0 feet.				
					Grades to yellowish brown (10YR 5/4) at 21.0 feet.				
				22	Grades to gray (10YR 5/1) at 22.5 feet.				
				24	Cobble present at 24.0 feet.	SP			
				26	Grades to dark yellowish brown (10YR 3/4) at 26.0 feet.				
				28	End of boring at 27.0 feet below ground surface.				
				30					
				32					
				34					
				36					
				38					
				40					
				42					
				44					
				46					



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-50i	
PROJ. NO: 297903.0000	DATE INSTALLED: 3/12/2018	INSTALLED BY: M. Powers-Taylor	
		CHECKED BY: C. Scieszka	
ELEVATION (BENCHMARK: USGS) DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)		CASING AND SCREEN DETAILS	
 <p>RISER PIPE LENGTH</p> <p>SCREEN LENGTH</p> <p>784.3 0.0 GROUND SURFACE</p> <p>783.82 0.5 TOP OF CASING</p> <p>0.5 CEMENT SURFACE PLUG</p> <p>GROUT/BACKFILL MATERIAL</p> <p>NA</p> <p>GROUT/BACKFILL METHOD</p> <p>NA</p> <p>NA GROUT</p> <p>BENTONITE SEAL MATERIAL</p> <p>GRANULAR</p> <p>19.0 BENTONITE SEAL</p> <p>22.0 TOP OF SCREEN</p> <p>FILTER PACK MATERIAL</p> <p>WASHED SAND & NATURAL COLLAPSE</p> <p>27.0 BOTTOM OF SCREEN</p> <p>27.0 BOTTOM OF FILTER PACK</p> <p>NA BENTONITE PLUG</p> <p>BACKFILL MATERIAL</p> <p>NATURAL COLLAPSE</p> <p>27.0 HOLE BOTTOM</p>		TYPE OF RISER: <u>2-INCH PVC</u> PIPE SCHEDULE: <u>40</u> PIPE JOINTS: <u>THREADED O-RINGS</u> SCREEN TYPE: <u>2-INCH PVC</u> SCR. SLOT SIZE: <u>0.01-INCH</u> BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>27</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT. SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT.	
WELL DEVELOPMENT			
DEVELOPMENT METHOD: <u>SURGE AND PUMP</u> TIME DEVELOPING: <u>0.2</u> HOURS WATER REMOVED: <u>27</u> GALLONS WATER ADDED: <u>0</u> GALLONS			
WATER CLARITY BEFORE / AFTER DEVELOPMENT			
CLARITY BEFORE: <u>VERY TURBID</u> COLOR BEFORE: <u>BROWN</u> CLARITY AFTER: <u>CLEAR</u> COLOR AFTER: <u>COLORLESS</u> ODOR (IF PRESENT): <u>NONE</u>			
WATER LEVEL SUMMARY			
MEASUREMENT (FEET)			DATE
DTB BEFORE DEVELOPING:		<u>26.56</u>	T/PVC
DTB AFTER DEVELOPING:		<u>26.56</u>	T/PVC
SWL BEFORE DEVELOPING:		<u>11.67</u>	T/PVC
SWL AFTER DEVELOPING:		<u>12.57</u>	T/PVC
OTHER SWL:			T/PVC
OTHER SWL:			T/PVC
PROTECTIVE CASING DETAILS			
PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
LOCK KEY NUMBER: <u>3120</u>			
NOTES:			



WELL CONSTRUCTION LOG

WELL NO. MW-50d

Page 1 of 2

BORING WELL CONSTRUCTION | OG 2977903 2018 MW INSTAIATION GP| TBC CORP GDI 2977903 00000 05/16/18

Signature:

Melissa Parsons Taylor

Firm: TRC Environmental Corporation
1540 Eisenhower Place, Ann Arbor

734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. MW-50d

Page 2 of 2

SAMPLE		BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
NUMBER AND TYPE	RECOVERY (%)							
				Change to dark grayish brown (10YR 4/2) at 20.0 feet.				
			22	Grades to yellowish brown (10YR 5/4) at 21.0 feet.				
			24	Grades to gray (10YR 5/1) at 22.5 feet.				
			26	Cobble present at 24.0 feet.				
			28	Grades to dark yellowish brown (10YR 3/4) at 26.0 feet.				
			30	Change to gray (10YR 5/1) at 28.5 feet.	SP			
			32	Grades to mostly fine sand, trace medium sand at 32.5 feet.				
			34					
			36	Change to mostly fine to medium sand, trace silt, dark grayish brown (10YR 4/2), medium dense at 35.0 feet.				
			38	Change to mostly medium to coarse sand, few fine sand, dark gray (10YR 4/1) at 36.5 feet.				
3 GP	75		40	LEAN CLAY mostly lean clay, few silt, trace fine to coarse sand, low to medium plasticity, dark gray (10YR 4/1), no odor, moist to saturated, hard.	CL			
			42	End of boring at 40.0 feet below ground surface.				
			44					
			46					



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-50D			
PROJ. NO: 297903.0000	DATE INSTALLED: 3/12/2018	INSTALLED BY: M. Powers-Taylor			
		CHECKED BY: C. Scieszka			
ELEVATION (BENCHMARK: USGS) DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)		CASING AND SCREEN DETAILS			
<p>RISER PIPE LENGTH</p> <p>SCREEN LENGTH</p> <p>784.3 0.0 GROUND SURFACE</p> <p>783.56 0.7 TOP OF CASING</p> <p>1.0 CEMENT SURFACE PLUG</p> <p>GROUT/BACKFILL MATERIAL</p> <p>NA</p> <p>GROUT/BACKFILL METHOD</p> <p>NA</p> <p>na GROUT</p> <p>BENTONITE SEAL MATERIAL</p> <p>GRANULAR</p> <p>30.0 BENTONITE SEAL</p> <p>33.5 TOP OF SCREEN</p> <p>FILTER PACK MATERIAL</p> <p>WASHED SAND & NATURAL COLLAPSE</p> <p>38.5 BOTTOM OF SCREEN</p> <p>38.5 BOTTOM OF FILTER PACK</p> <p>NA BENTONITE PLUG</p> <p>BACKFILL MATERIAL</p> <p>NATURAL COLLAPSE</p> <p>745.8</p> <p>744.3 40.0 HOLE BOTTOM</p>		TYPE OF RISER: <u>2-INCH PVC</u> PIPE SCHEDULE: <u>40</u> PIPE JOINTS: <u>THREADED O-RINGS</u> SCREEN TYPE: <u>2-INCH PVC</u> SCR. SLOT SIZE: <u>0.01-INCH</u> BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>40</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT. SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT.			
WELL DEVELOPMENT					
DEVELOPMENT METHOD: <u>SURGE AND PUMP</u> TIME DEVELOPING: <u>0.5</u> HOURS WATER REMOVED: <u>50</u> GALLONS WATER ADDED: <u>0</u> GALLONS					
WATER CLARITY BEFORE / AFTER DEVELOPMENT					
CLARITY BEFORE: <u>VERY TURBID</u> COLOR BEFORE: <u>DARK BROWN</u> CLARITY AFTER: <u>CLEAR</u> COLOR AFTER: <u>COLORLESS</u> ODOR (IF PRESENT): <u>NONE</u>					
WATER LEVEL SUMMARY					
MEASUREMENT (FEET)		DATE	TIME		
DTB BEFORE DEVELOPING:		36.90	T/PVC	3/15/2018	1325
DTB AFTER DEVELOPING:		37.03	T/PVC	3/16/2018	1155
SWL BEFORE DEVELOPING:		12.72	T/PVC	3/15/2018	1325
SWL AFTER DEVELOPING:		13.84	T/PVC	3/16/2018	1155
OTHER SWL:			T/PVC		
OTHER SWL:			T/PVC		
PROTECTIVE CASING DETAILS					
PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
LOCK KEY NUMBER: <u>3120</u>					
NOTES:					



WELL CONSTRUCTION LOG

WELL NO. MW-51

Page 1 of 2



WELL CONSTRUCTION LOG

WELL NO. MW-51

Page 2 of 2

SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
1	GP	80		22	Change to brown (10YR 4/3) at 21.5 feet.					
2	GP	90		24	Change to dark yellowish brown (10YR 3/6) at 22.5 feet.					
3	GP	100		26						
				28	Change to trace fine gravel, slight odor at 28.0 feet. ▼ Change to mostly fine to medium sand, trace to few coarse sand, no gravel, saturated at 29.5 feet. Change to no odor at 30.0 feet.	SP			<1 1.0	
				32						
				34						
				36	Change to mostly medium to coarse sand, few fine to coarse gravel, trace silt, loose to medium dense at 34.75 feet.					
				38	LEAN CLAY mostly lean clay, few silt, trace coarse sand, low plasticity, dark gray (10YR 4/1), no odor, moist, hard.	CL				
				40	End of boring at 40.0 feet below ground surface.					
				42						
				44						
				46						



WELL CONSTRUCTION DIAGRAM

PROJ. NAME: Tecumseh Products Company 2018 Monitoring Well Installation		WELL ID: MW-51		
PROJ. NO: 297903.0000	DATE INSTALLED: 3/14/2018	INSTALLED BY: M. Powers-Taylor		
CHECKED BY: C. Scieszka				
ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	CASING AND SCREEN DETAILS		
782.4	0.0 GROUND SURFACE	TYPE OF RISER: <u>2-INCH PVC</u>		
781.80	0.6 TOP OF CASING	PIPE SCHEDULE: <u>40</u>		
	1.0 CEMENT SURFACE PLUG	PIPE JOINTS: <u>THREADED O-RINGS</u>		
	GROUT/BACKFILL MATERIAL	SCREEN TYPE: <u>2-INCH PVC</u>		
	NA	SCR. SLOT SIZE: <u>0.01-INCH</u>		
	GROUT/BACKFILL METHOD	BOREHOLE DIAMETER: <u>3.25</u> IN. FROM <u>0</u> TO <u>40</u> FT.		
	NA	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
31.9	NA GROUT	SURF. CASING DIAMETER: <u>NA</u> IN. FROM <u>NA</u> TO <u>NA</u> FT.		
	BENTONITE SEAL MATERIAL	<u> </u> IN. FROM <u> </u> TO <u> </u> FT.		
	GRANULAR			
27.3	27.3 BENTONITE SEAL			
749.9	32.5 TOP OF SCREEN	WELL DEVELOPMENT		
5.0	FILTER PACK MATERIAL	DEVELOPMENT METHOD: <u>SURGE AND PUMP</u>		
	NATURAL COLLAPSE	TIME DEVELOPING: <u>0.33</u> HOURS		
744.9	37.5 BOTTOM OF SCREEN	WATER REMOVED: <u>18</u> GALLONS		
	40.0 BOTTOM OF FILTER PACK	WATER ADDED: <u>NA</u> GALLONS		
	NA BENTONITE PLUG	WATER CLARITY BEFORE / AFTER DEVELOPMENT		
	BACKFILL MATERIAL	CLARITY BEFORE: <u>VERY TURBID</u>		
	NATURAL COLLAPSE	COLOR BEFORE: <u>DARK BROWN</u>		
742.4	40.0 HOLE BOTTOM	CLARITY AFTER: <u>CLEAR</u>		
		COLOR AFTER: <u>COLORLESS</u>		
		ODOR (IF PRESENT): <u>NONE</u>		
WATER LEVEL SUMMARY				
MEASUREMENT (FEET)			DATE	TIME
DTB BEFORE DEVELOPING:	37.02	T/PVC	3/16/2018	1030
DTB AFTER DEVELOPING:	37.05	T/PVC	3/16/2018	1055
SWL BEFORE DEVELOPING:	29.18	T/PVC	3/16/2018	1033
SWL AFTER DEVELOPING:	29.20	T/PVC	3/16/2018	1055
OTHER SWL:		T/PVC		
OTHER SWL:		T/PVC		
PROTECTIVE CASING DETAILS				
PERMANENT, LEGIBLE WELL LABEL ADDED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
PROTECTIVE COVER AND LOCK INSTALLED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
LOCK KEY NUMBER: <u>3120</u>				
NOTES:				



WELL CONSTRUCTION LOG

WELL NO. PRB-02i

Page 1 of 2

Facility/Project Name: TPC 2018 Monitoring Well Installation			Date Drilling Started: 03/13/18	Date Drilling Completed: 03/13/18	Project Number: 297903.0000			
Drilling Firm: Stearns Drilling	Drilling Method: Direct Push	Surface Elev. (ft) 784.5	TOC Elevation (ft) 783.85	Total Depth (ft bgs) 25.0	Borehole Dia. (in) 3.25			
Boring Location: In Maumee Street right-of-way, adjacent to monitoring well PRB-02. N: 180964.99 E: 13239419.10			Personnel Logged By - M. Powers-Taylor Driller - R. Christensen	Drilling Equipment: GeoProbe 6620 DT				
Civil Town/City/or Village: Tecumseh	County: Lenawee	State: MI	Water Level Observations: While Drilling: Date/Time 03/13/18 00:00 ▽ After Drilling: Date/Time 03/16/18 14:00 ▽	Depth (ft bgs) 9.0 Depth (ft bgs) 9.35				
SAMPLE	NUMBER AND TYPE	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
RECOVERY (%)	BLOW COUNTS							
1 GP	90		TOPSOIL mostly silt, little fine sand, dark brown (10YR 3/3), no odor, moist, dense, roots. Change to slag fragments present at 0.33 feet below ground surface.	ML			<1	
		2	SILT WITH SAND mostly silt, little to some fine to medium sand, few lean clay, dark brown (10YR 3/3), no odor, moist, medium dense.	SM				
		4	SILTY SAND mostly fine to medium sand, some silt, few lean clay, brown (10YR 5/3), no odor, moist, dense.	CL-ML				
		6	SANDY SILTY LEAN CLAY mostly lean clay, little fine to medium sand, little silt, low to medium plasticity, dark grayish brown (10YR 4/2), no odor, moist, hard.	CL				
		8	LEAN CLAY mostly lean clay, trace silt, trace fine sand, low plasticity, dark gray (10YR 4/1) mottled with dark yellowish brown (10YR 4/6), no odor, moist, hard.				<1	
2 GP	90		Change to one-inch interval of POORLY GRADED SAND mostly fine to medium sand, dark grayish brown (10YR 4/2), no odor, moist, medium dense at 7.3 feet.	SW			<1	
		10	Change to little fine to coarse gravel at 7.8 feet below ground surface.					
		12	WELL GRADED SAND mostly fine to coarse sand, dark grayish brown (10YR 4/2), no odor, moist, loose.					
		14	Change to saturated at 9.0 feet below ground surface.					
			Grades to mostly medium to coarse sand, few fine sand, trace silt, dark yellowish brown (10YR 4/6) at 10.0 feet.					
3 GP	80		Change to mostly fine to medium sand, dark grayish brown (10YR 4/2) at 12.5 feet.					

Signature:

Firm: TRC Environmental Corporation
1540 Eisenhower Place Ann Arbor, MI 48108734.971.7080
Fax 734.971.9022



WELL CONSTRUCTION LOG

WELL NO. PRB-02i

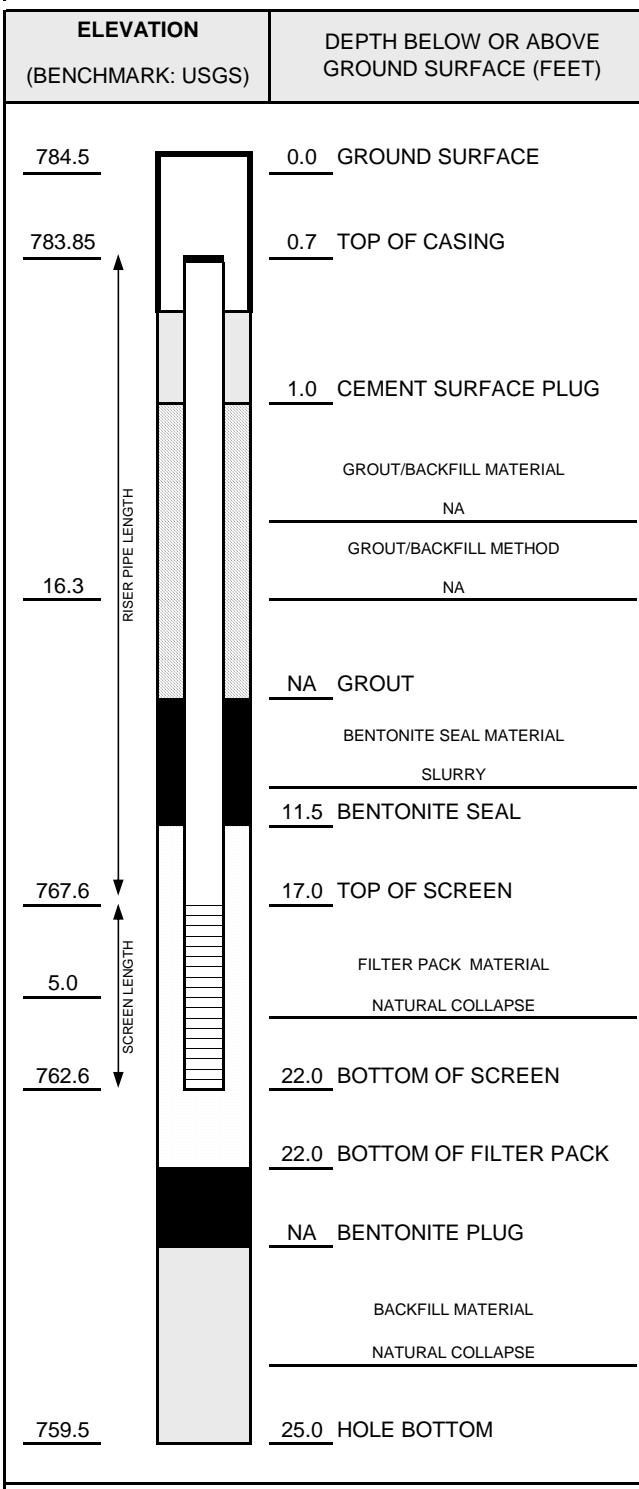
Page 2 of 2

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	PID (PPM)	COMMENTS
					4 GP	5 GP			
			16	Change to few coarse sand, few fine gravel at 16.5 feet.					
	100		18	Change to dark grayish brown (10YR 4/1) at 17.5 feet.					
			20						
			22						
			24						
			26	End of boring at 25.0 feet below ground surface.					
			28						
			30						
			32						
			34						



WELL CONSTRUCTION DIAGRAM

PROJ. NAME:	Tecumseh Products Company 2018 Monitoring Well Installation			WELL ID:	PRB-02i
PROJ. NO:	297903.0000	DATE INSTALLED:	3/13/2018	INSTALLED BY:	M. Powers-Taylor



CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SSB SLOT SIZE: 0.04 INCL

BOREHOLE DIAMETER: 3.25 IN. FROM 0 TO 25 FT.
 IN. FROM TO FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.25 HOURS

WATER REMOVED: 25 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: VERY TURBID

COLOR BEFORE: BROWN

CLARITY AFTER: CLEAR

COI OR AFTER: COI OR LESS

ODOR (IF PRESENT): NONE

WATER LEVEL SUMMARY

MEASUREMENT (FEET) DATE TIME

BTB BEFORE DEVELOPING: 21.41 T/PVC 3/16/2018 1400

WTB AFTER DEVELOPING: 21.41 T/PVC 3/16/2018 1616

WI BEFORE DEVELOPING: 8.65 T/PVC 3/16/2018 1400

WI AFTER DEVELOPING: 8.63 T/PVC 3/16/2018 1616

OTHER SWI : T/PVC

PROTECTIVE CASING DETAILS

PERMANENT LEGIBLE WELL LABEL ADDED? YES NO

PROTECTIVE COVER AND LOCK INSTALLED? YES NO

LOCK KEY NUMBER: 3120

Technical Memorandum

**Attachment 2
Analytical Data**

April 09, 2018

Stacy Metz
TRC Environmental Corporation
1540 Eisenhower Place
Ann Arbor, MI 48108

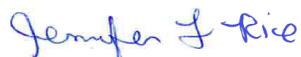
RE: Project: Tecumseh Products GW
Pace Project No.: 469834

Dear Stacy Metz:

Enclosed are the analytical results for sample(s) received by the laboratory on March 22, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Rice
jennifer.rice@pacelabs.com
(616)975-4500
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: Tecumseh Products GW
Pace Project No.: 469834

Grand Rapids Certification ID's

5560 Corporate Exchange Ct SE, Grand Rapids, MI 49512
Minnesota Department of Health, Certificate #1385941
Arkansas Department of Environmental Quality, Certificate #17-046-0
Georgia Environmental Protection Division, Stipulation
Illinois Environmental Protection Agency, Certificate #004325
Michigan Department of Environmental Quality, Laboratory #0034

New York State Department of Health, Serial #56192 and 56193
North Carolina Division of Water Resources, Certificate #659
Virginia Department of General Services, Certificate #9028
Wisconsin Department of Natural Resources, Laboratory #999472650
U.S. Department of Agriculture Permit to Receive Soil, Permit #P330-17-00278

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Tecumseh Products GW
Pace Project No.: 469834

Lab ID	Sample ID	Matrix	Date Collected	Date Received
469834001	MW-45s	Water	03/20/18 12:22	03/22/18 18:00
469834002	MW-45i	Water	03/20/18 13:30	03/22/18 18:00
469834003	MW-45d	Water	03/20/18 14:28	03/22/18 18:00
469834004	MW-48s	Water	03/20/18 12:02	03/22/18 18:00
469834005	PRB-02i	Water	03/20/18 13:42	03/22/18 18:00
469834006	MW-50s	Water	03/21/18 09:56	03/22/18 18:00
469834007	MW-50i	Water	03/21/18 11:11	03/22/18 18:00
469834008	MW-50d	Water	03/21/18 11:59	03/22/18 18:00
469834009	MW-51	Water	03/20/18 15:12	03/22/18 18:00
469834010	MW-49s	Water	03/20/18 17:08	03/22/18 18:00
469834011	MW-49d	Water	03/20/18 17:10	03/22/18 18:00
469834012	Dup-01	Water	03/21/18 00:00	03/22/18 18:00
469834013	MW-47d	Water	03/21/18 15:48	03/22/18 18:00
469834014	MW-46d	Water	03/21/18 14:11	03/22/18 18:00
469834015	MW-42s	Water	03/21/18 15:25	03/22/18 18:00
469834016	MW-42d	Water	03/21/18 15:15	03/22/18 18:00
469834017	Dup-02	Water	03/20/18 00:00	03/22/18 18:00
469834018	TB-01	Water	03/20/18 00:00	03/22/18 18:00
469834019	SP-01	Water	03/20/18 10:10	03/22/18 18:00
469834020	SP-02	Water	03/20/18 10:05	03/22/18 18:00
469834021	SP-03	Water	03/20/18 10:00	03/22/18 18:00
469834022	PW-01	Water	03/20/18 09:30	03/22/18 18:00
469834023	PW-04	Water	03/20/18 09:50	03/22/18 18:00
469834024	PW-07	Water	03/20/18 08:55	03/22/18 18:00
469834025	EB-01	Water	03/21/18 17:20	03/22/18 18:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Tecumseh Products GW
Pace Project No.: 469834

Lab ID	Sample ID	Method	Analysts	Analytes Reported
469834001	MW-45s	EPA 8260B	DLV	69
469834002	MW-45i	EPA 8260B	DLV	69
469834003	MW-45d	EPA 8260B	DLV	69
469834004	MW-48s	EPA 8260B	DLV	69
469834005	PRB-02i	EPA 8260B	DLV	69
469834006	MW-50s	EPA 8260B	DLV	69
469834007	MW-50i	EPA 8260B	DLV	69
469834008	MW-50d	EPA 8260B	DLV	69
469834009	MW-51	EPA 8260B	DLV	69
469834010	MW-49s	EPA 8260B	DLV	69
469834011	MW-49d	EPA 8260B	DLV	69
469834012	Dup-01	EPA 8260B	BAG	69
469834013	MW-47d	EPA 8260B	DLV	69
469834014	MW-46d	EPA 8260B	DLV	69
469834015	MW-42s	EPA 8260B	DLV	69
469834016	MW-42d	EPA 8260B	DLV	69
469834017	Dup-02	EPA 8260B	DLV	69
469834018	TB-01	EPA 8260B	DLV	69
469834019	SP-01	EPA 8260B	DLV	69
469834020	SP-02	EPA 8260B	DLV	69
469834021	SP-03	EPA 8260B	DLV	69
469834022	PW-01	EPA 8260B	DLV	69
469834023	PW-04	EPA 8260B	DLV	69
469834024	PW-07	EPA 8260B	DLV	69
469834025	EB-01	EPA 8260B	DLV	69

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-45s	Lab ID: 469834001	Collected: 03/20/18 12:22	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<2000	ug/L	2000	100		04/02/18 11:36	67-64-1	
Acrylonitrile	<200	ug/L	200	100		04/02/18 11:36	107-13-1	
Benzene	<100	ug/L	100	100		04/02/18 11:36	71-43-2	
Bromobenzene	<100	ug/L	100	100		04/02/18 11:36	108-86-1	
Bromochloromethane	<100	ug/L	100	100		04/02/18 11:36	74-97-5	
Bromodichloromethane	<100	ug/L	100	100		04/02/18 11:36	75-27-4	
Bromoform	<100	ug/L	100	100		04/02/18 11:36	75-25-2	
Bromomethane	<500	ug/L	500	100		04/02/18 11:36	74-83-9	
2-Butanone (MEK)	<500	ug/L	500	100		04/02/18 11:36	78-93-3	
n-Butylbenzene	<100	ug/L	100	100		04/02/18 11:36	104-51-8	
sec-Butylbenzene	<100	ug/L	100	100		04/02/18 11:36	135-98-8	
tert-Butylbenzene	<100	ug/L	100	100		04/02/18 11:36	98-06-6	
Carbon disulfide	<500	ug/L	500	100		04/02/18 11:36	75-15-0	
Carbon tetrachloride	<100	ug/L	100	100		04/02/18 11:36	56-23-5	
Chlorobenzene	<100	ug/L	100	100		04/02/18 11:36	108-90-7	
Chloroethane	<500	ug/L	500	100		04/02/18 11:36	75-00-3	
Chloroform	<100	ug/L	100	100		04/02/18 11:36	67-66-3	
Chloromethane	<500	ug/L	500	100		04/02/18 11:36	74-87-3	
1,2-Dibromo-3-chloropropane	<500	ug/L	500	100		04/02/18 11:36	96-12-8	
Dibromochloromethane	<100	ug/L	100	100		04/02/18 11:36	124-48-1	
1,2-Dibromoethane (EDB)	<100	ug/L	100	100		04/02/18 11:36	106-93-4	
Dibromomethane	<100	ug/L	100	100		04/02/18 11:36	74-95-3	
1,2-Dichlorobenzene	<100	ug/L	100	100		04/02/18 11:36	95-50-1	
1,3-Dichlorobenzene	<100	ug/L	100	100		04/02/18 11:36	541-73-1	
1,4-Dichlorobenzene	<100	ug/L	100	100		04/02/18 11:36	106-46-7	
trans-1,4-Dichloro-2-butene	<100	ug/L	100	100		04/02/18 11:36	110-57-6	
Dichlorodifluoromethane	<500	ug/L	500	100		04/02/18 11:36	75-71-8	CL
1,1-Dichloroethane	<100	ug/L	100	100		04/02/18 11:36	75-34-3	
1,2-Dichloroethane	<100	ug/L	100	100		04/02/18 11:36	107-06-2	
1,1-Dichloroethene	<100	ug/L	100	100		04/02/18 11:36	75-35-4	
cis-1,2-Dichloroethene	5820	ug/L	100	100		04/02/18 11:36	156-59-2	
trans-1,2-Dichloroethene	<100	ug/L	100	100		04/02/18 11:36	156-60-5	
1,2-Dichloropropane	<100	ug/L	100	100		04/02/18 11:36	78-87-5	
cis-1,3-Dichloropropene	<100	ug/L	100	100		04/02/18 11:36	10061-01-5	
trans-1,3-Dichloropropene	<100	ug/L	100	100		04/02/18 11:36	10061-02-6	
Diethyl ether (Ethyl ether)	<100	ug/L	100	100		04/02/18 11:36	60-29-7	
Ethylbenzene	<100	ug/L	100	100		04/02/18 11:36	100-41-4	
2-Hexanone	<500	ug/L	500	100		04/02/18 11:36	591-78-6	
Iodomethane	<100	ug/L	100	100		04/02/18 11:36	74-88-4	
Isopropylbenzene (Cumene)	<100	ug/L	100	100		04/02/18 11:36	98-82-8	
p-Isopropyltoluene	<500	ug/L	500	100		04/02/18 11:36	99-87-6	
Methylene Chloride	<500	ug/L	500	100		04/02/18 11:36	75-09-2	
2-Methylnaphthalene	<500	ug/L	500	100		04/02/18 11:36	91-57-6	
4-Methyl-2-pentanone (MIBK)	<500	ug/L	500	100		04/02/18 11:36	108-10-1	
Methyl-tert-butyl ether	<500	ug/L	500	100		04/02/18 11:36	1634-04-4	
Naphthalene	<500	ug/L	500	100		04/02/18 11:36	91-20-3	
n-Propylbenzene	<100	ug/L	100	100		04/02/18 11:36	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-45s	Lab ID: 469834001	Collected: 03/20/18 12:22	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<100	ug/L	100	100		04/02/18 11:36	100-42-5	
1,1,1,2-Tetrachloroethane	<100	ug/L	100	100		04/02/18 11:36	630-20-6	
1,1,2,2-Tetrachloroethane	<100	ug/L	100	100		04/02/18 11:36	79-34-5	
Tetrachloroethene	14100	ug/L	100	100		04/02/18 11:36	127-18-4	
Tetrahydrofuran	<500	ug/L	500	100		04/02/18 11:36	109-99-9	
Toluene	<100	ug/L	100	100		04/02/18 11:36	108-88-3	
1,2,3-Trichlorobenzene	<500	ug/L	500	100		04/02/18 11:36	87-61-6	
1,2,4-Trichlorobenzene	<500	ug/L	500	100		04/02/18 11:36	120-82-1	
1,1,1-Trichloroethane	<100	ug/L	100	100		04/02/18 11:36	71-55-6	
1,1,2-Trichloroethane	<100	ug/L	100	100		04/02/18 11:36	79-00-5	
Trichloroethene	1910	ug/L	100	100		04/02/18 11:36	79-01-6	
Trichlorofluoromethane	<100	ug/L	100	100		04/02/18 11:36	75-69-4	
1,2,3-Trichloropropane	<100	ug/L	100	100		04/02/18 11:36	96-18-4	
1,2,4-Trimethylbenzene	<100	ug/L	100	100		04/02/18 11:36	95-63-6	
1,3,5-Trimethylbenzene	<100	ug/L	100	100		04/02/18 11:36	108-67-8	
Vinyl chloride	227	ug/L	100	100		04/02/18 11:36	75-01-4	
m&p-Xylene	<200	ug/L	200	100		04/02/18 11:36	179601-23-1	
o-Xylene	<100	ug/L	100	100		04/02/18 11:36	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	100		04/02/18 11:36	17060-07-0	
Dibromofluoromethane (S)	97	%.	85-118	100		04/02/18 11:36	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	100		04/02/18 11:36	460-00-4	
Toluene-d8 (S)	98	%.	85-113	100		04/02/18 11:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-45i	Lab ID: 469834002	Collected: 03/20/18 13:30	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		03/31/18 09:56	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		03/31/18 09:56	107-13-1	
Benzene	<10.0	ug/L	10.0	10		03/31/18 09:56	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		03/31/18 09:56	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		03/31/18 09:56	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		03/31/18 09:56	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		03/31/18 09:56	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		03/31/18 09:56	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		03/31/18 09:56	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		03/31/18 09:56	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		03/31/18 09:56	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		03/31/18 09:56	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		03/31/18 09:56	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		03/31/18 09:56	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		03/31/18 09:56	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		03/31/18 09:56	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		03/31/18 09:56	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		03/31/18 09:56	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		03/31/18 09:56	75-71-8	
1,1-Dichloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		03/31/18 09:56	75-35-4	
cis-1,2-Dichloroethene	1300	ug/L	10.0	10		03/31/18 09:56	156-59-2	
trans-1,2-Dichloroethene	41.6	ug/L	10.0	10		03/31/18 09:56	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		03/31/18 09:56	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 09:56	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 09:56	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		03/31/18 09:56	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		03/31/18 09:56	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		03/31/18 09:56	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		03/31/18 09:56	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		03/31/18 09:56	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		03/31/18 09:56	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		03/31/18 09:56	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		03/31/18 09:56	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		03/31/18 09:56	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		03/31/18 09:56	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-45i	Lab ID: 469834002	Collected: 03/20/18 13:30	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		03/31/18 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		03/31/18 09:56	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		03/31/18 09:56	109-99-9	
Toluene	<10.0	ug/L	10.0	10		03/31/18 09:56	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 09:56	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 09:56	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		03/31/18 09:56	79-00-5	
Trichloroethene	497	ug/L	10.0	10		03/31/18 09:56	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		03/31/18 09:56	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		03/31/18 09:56	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 09:56	108-67-8	
Vinyl chloride	59.6	ug/L	10.0	10		03/31/18 09:56	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		03/31/18 09:56	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		03/31/18 09:56	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	87-122	10		03/31/18 09:56	17060-07-0	
Dibromofluoromethane (S)	100	%.	85-118	10		03/31/18 09:56	1868-53-7	
4-Bromofluorobenzene (S)	86	%.	82-110	10		03/31/18 09:56	460-00-4	
Toluene-d8 (S)	98	%.	85-113	10		03/31/18 09:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-45d	Lab ID: 469834003	Collected: 03/20/18 14:28	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 12:02	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 12:02	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 12:02	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 12:02	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 12:02	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 12:02	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 12:02	74-83-9	R1
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 12:02	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 12:02	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 12:02	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 12:02	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 12:02	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 12:02	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 12:02	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 12:02	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 12:02	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 12:02	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 12:02	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 12:02	75-71-8	CL
1,1-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 12:02	75-35-4	
cis-1,2-Dichloroethene	628	ug/L	10.0	10		04/02/18 12:02	156-59-2	
trans-1,2-Dichloroethene	14.2	ug/L	10.0	10		04/02/18 12:02	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 12:02	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 12:02	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 12:02	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 12:02	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 12:02	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 12:02	74-88-4	M1,R1
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 12:02	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 12:02	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 12:02	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 12:02	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 12:02	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 12:02	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 12:02	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-45d	Lab ID: 469834003	Collected: 03/20/18 14:28	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 12:02	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 12:02	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 12:02	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 12:02	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 12:02	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 12:02	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 12:02	79-00-5	
Trichloroethene	941	ug/L	10.0	10		04/02/18 12:02	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 12:02	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 12:02	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 12:02	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		04/02/18 12:02	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 12:02	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 12:02	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	87-122	10		04/02/18 12:02	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	10		04/02/18 12:02	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 12:02	460-00-4	
Toluene-d8 (S)	99	%.	85-113	10		04/02/18 12:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-48s	Lab ID: 469834004	Collected: 03/20/18 12:02	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<100	ug/L	100	5		04/02/18 12:28	67-64-1	
Acrylonitrile	<10.0	ug/L	10.0	5		04/02/18 12:28	107-13-1	
Benzene	<5.0	ug/L	5.0	5		04/02/18 12:28	71-43-2	
Bromobenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	5		04/02/18 12:28	74-97-5	
Bromodichloromethane	<5.0	ug/L	5.0	5		04/02/18 12:28	75-27-4	
Bromoform	<5.0	ug/L	5.0	5		04/02/18 12:28	75-25-2	
Bromomethane	<25.0	ug/L	25.0	5		04/02/18 12:28	74-83-9	
2-Butanone (MEK)	<25.0	ug/L	25.0	5		04/02/18 12:28	78-93-3	
n-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	135-98-8	
tert-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	98-06-6	
Carbon disulfide	<25.0	ug/L	25.0	5		04/02/18 12:28	75-15-0	
Carbon tetrachloride	<5.0	ug/L	5.0	5		04/02/18 12:28	56-23-5	
Chlorobenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	108-90-7	
Chloroethane	<25.0	ug/L	25.0	5		04/02/18 12:28	75-00-3	
Chloroform	<5.0	ug/L	5.0	5		04/02/18 12:28	67-66-3	
Chloromethane	<25.0	ug/L	25.0	5		04/02/18 12:28	74-87-3	
1,2-Dibromo-3-chloropropane	<25.0	ug/L	25.0	5		04/02/18 12:28	96-12-8	
Dibromochloromethane	<5.0	ug/L	5.0	5		04/02/18 12:28	124-48-1	
1,2-Dibromoethane (EDB)	<5.0	ug/L	5.0	5		04/02/18 12:28	106-93-4	
Dibromomethane	<5.0	ug/L	5.0	5		04/02/18 12:28	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	106-46-7	
trans-1,4-Dichloro-2-butene	<5.0	ug/L	5.0	5		04/02/18 12:28	110-57-6	
Dichlorodifluoromethane	<25.0	ug/L	25.0	5		04/02/18 12:28	75-71-8	CL
1,1-Dichloroethane	<5.0	ug/L	5.0	5		04/02/18 12:28	75-34-3	
1,2-Dichloroethane	<5.0	ug/L	5.0	5		04/02/18 12:28	107-06-2	
1,1-Dichloroethene	<5.0	ug/L	5.0	5		04/02/18 12:28	75-35-4	
cis-1,2-Dichloroethene	5.4	ug/L	5.0	5		04/02/18 12:28	156-59-2	
trans-1,2-Dichloroethene	<5.0	ug/L	5.0	5		04/02/18 12:28	156-60-5	
1,2-Dichloropropane	<5.0	ug/L	5.0	5		04/02/18 12:28	78-87-5	
cis-1,3-Dichloropropene	<5.0	ug/L	5.0	5		04/02/18 12:28	10061-01-5	
trans-1,3-Dichloropropene	<5.0	ug/L	5.0	5		04/02/18 12:28	10061-02-6	
Diethyl ether (Ethyl ether)	<5.0	ug/L	5.0	5		04/02/18 12:28	60-29-7	
Ethylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	100-41-4	
2-Hexanone	<25.0	ug/L	25.0	5		04/02/18 12:28	591-78-6	
Iodomethane	<5.0	ug/L	5.0	5		04/02/18 12:28	74-88-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	5		04/02/18 12:28	98-82-8	
p-Isopropyltoluene	<25.0	ug/L	25.0	5		04/02/18 12:28	99-87-6	
Methylene Chloride	<25.0	ug/L	25.0	5		04/02/18 12:28	75-09-2	
2-Methylnaphthalene	<25.0	ug/L	25.0	5		04/02/18 12:28	91-57-6	
4-Methyl-2-pentanone (MIBK)	<25.0	ug/L	25.0	5		04/02/18 12:28	108-10-1	
Methyl-tert-butyl ether	<25.0	ug/L	25.0	5		04/02/18 12:28	1634-04-4	
Naphthalene	<25.0	ug/L	25.0	5		04/02/18 12:28	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-48s	Lab ID: 469834004	Collected: 03/20/18 12:02	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV		Analytical Method: EPA 8260B						
Styrene	<5.0	ug/L	5.0	5		04/02/18 12:28	100-42-5	
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	5		04/02/18 12:28	630-20-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	5		04/02/18 12:28	79-34-5	
Tetrachloroethene	29.9	ug/L	5.0	5		04/02/18 12:28	127-18-4	
Tetrahydrofuran	<25.0	ug/L	25.0	5		04/02/18 12:28	109-99-9	
Toluene	<5.0	ug/L	5.0	5		04/02/18 12:28	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/L	25.0	5		04/02/18 12:28	87-61-6	
1,2,4-Trichlorobenzene	<25.0	ug/L	25.0	5		04/02/18 12:28	120-82-1	
1,1,1-Trichloroethane	20.8	ug/L	5.0	5		04/02/18 12:28	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	5		04/02/18 12:28	79-00-5	
Trichloroethene	403	ug/L	5.0	5		04/02/18 12:28	79-01-6	
Trichlorofluoromethane	<5.0	ug/L	5.0	5		04/02/18 12:28	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	5		04/02/18 12:28	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	5.0	5		04/02/18 12:28	108-67-8	
Vinyl chloride	<5.0	ug/L	5.0	5		04/02/18 12:28	75-01-4	
m&p-Xylene	<10.0	ug/L	10.0	5		04/02/18 12:28	179601-23-1	
o-Xylene	<5.0	ug/L	5.0	5		04/02/18 12:28	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	87-122	5		04/02/18 12:28	17060-07-0	
Dibromofluoromethane (S)	100	%.	85-118	5		04/02/18 12:28	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	82-110	5		04/02/18 12:28	460-00-4	
Toluene-d8 (S)	102	%.	85-113	5		04/02/18 12:28	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: PRB-02i	Lab ID: 469834005	Collected: 03/20/18 13:42	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		03/31/18 06:13	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		03/31/18 06:13	107-13-1	
Benzene	<1.0	ug/L	1.0	1		03/31/18 06:13	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/31/18 06:13	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/31/18 06:13	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/31/18 06:13	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		03/31/18 06:13	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/31/18 06:13	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		03/31/18 06:13	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/31/18 06:13	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		03/31/18 06:13	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/31/18 06:13	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		03/31/18 06:13	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		03/31/18 06:13	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/31/18 06:13	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/31/18 06:13	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		03/31/18 06:13	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/31/18 06:13	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		03/31/18 06:13	75-71-8	
1,1-Dichloroethane	7.3	ug/L	1.0	1		03/31/18 06:13	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 06:13	107-06-2	
1,1-Dichloroethene	4.8	ug/L	1.0	1		03/31/18 06:13	75-35-4	
cis-1,2-Dichloroethene	162	ug/L	1.0	1		03/31/18 06:13	156-59-2	
trans-1,2-Dichloroethene	3.7	ug/L	1.0	1		03/31/18 06:13	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/31/18 06:13	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 06:13	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 06:13	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		03/31/18 06:13	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		03/31/18 06:13	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		03/31/18 06:13	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/31/18 06:13	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		03/31/18 06:13	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		03/31/18 06:13	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		03/31/18 06:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/31/18 06:13	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		03/31/18 06:13	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		03/31/18 06:13	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: PRB-02i	Lab ID: 469834005	Collected: 03/20/18 13:42	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		03/31/18 06:13	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 06:13	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 06:13	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/31/18 06:13	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		03/31/18 06:13	109-99-9	
Toluene	<1.0	ug/L	1.0	1		03/31/18 06:13	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 06:13	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 06:13	120-82-1	
1,1,1-Trichloroethane	1.4	ug/L	1.0	1		03/31/18 06:13	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 06:13	79-00-5	
Trichloroethene	177	ug/L	1.0	1		03/31/18 06:13	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		03/31/18 06:13	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/31/18 06:13	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 06:13	108-67-8	
Vinyl chloride	6.1	ug/L	1.0	1		03/31/18 06:13	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		03/31/18 06:13	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		03/31/18 06:13	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	1		03/31/18 06:13	17060-07-0	
Dibromofluoromethane (S)	102	%.	85-118	1		03/31/18 06:13	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	82-110	1		03/31/18 06:13	460-00-4	
Toluene-d8 (S)	100	%.	85-113	1		03/31/18 06:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-50s	Lab ID: 469834006	Collected: 03/21/18 09:56	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 17:44	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 17:44	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 17:44	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 17:44	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 17:44	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 17:44	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 17:44	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 17:44	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 17:44	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 17:44	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 17:44	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 17:44	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 17:44	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 17:44	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 17:44	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 17:44	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 17:44	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 17:44	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 17:44	75-71-8	CL
1,1-Dichloroethane	18.4	ug/L	10.0	10		04/02/18 17:44	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 17:44	107-06-2	
1,1-Dichloroethene	13.1	ug/L	10.0	10		04/02/18 17:44	75-35-4	
cis-1,2-Dichloroethene	810	ug/L	10.0	10		04/02/18 17:44	156-59-2	
trans-1,2-Dichloroethene	28.7	ug/L	10.0	10		04/02/18 17:44	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 17:44	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 17:44	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 17:44	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 17:44	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 17:44	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 17:44	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 17:44	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 17:44	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 17:44	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 17:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 17:44	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 17:44	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 17:44	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-50s	Lab ID: 469834006	Collected: 03/21/18 09:56	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 17:44	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 17:44	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 17:44	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 17:44	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 17:44	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 17:44	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 17:44	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 17:44	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 17:44	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 17:44	79-00-5	
Trichloroethene	1360	ug/L	10.0	10		04/02/18 17:44	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 17:44	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 17:44	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:44	108-67-8	
Vinyl chloride	102	ug/L	10.0	10		04/02/18 17:44	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 17:44	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 17:44	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	10		04/02/18 17:44	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	10		04/02/18 17:44	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 17:44	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/02/18 17:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-50i	Lab ID: 469834007	Collected: 03/21/18 11:11	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 13:21	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 13:21	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 13:21	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 13:21	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 13:21	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 13:21	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 13:21	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 13:21	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 13:21	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 13:21	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 13:21	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 13:21	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 13:21	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 13:21	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 13:21	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 13:21	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 13:21	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 13:21	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 13:21	75-71-8	CL
1,1-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 13:21	75-35-4	
cis-1,2-Dichloroethene	120	ug/L	10.0	10		04/02/18 13:21	156-59-2	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 13:21	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 13:21	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 13:21	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 13:21	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 13:21	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 13:21	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 13:21	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 13:21	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 13:21	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 13:21	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 13:21	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 13:21	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 13:21	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 13:21	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-50i	Lab ID: 469834007	Collected: 03/21/18 11:11	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 13:21	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 13:21	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 13:21	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 13:21	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 13:21	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 13:21	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 13:21	79-00-5	
Trichloroethene	770	ug/L	10.0	10		04/02/18 13:21	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 13:21	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 13:21	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 13:21	108-67-8	
Vinyl chloride	73.6	ug/L	10.0	10		04/02/18 13:21	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 13:21	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 13:21	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	10		04/02/18 13:21	17060-07-0	
Dibromofluoromethane (S)	96	%.	85-118	10		04/02/18 13:21	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 13:21	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/02/18 13:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-50d	Lab ID: 469834008	Collected: 03/21/18 11:59	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<1000	ug/L	1000	50		04/02/18 13:47	67-64-1	
Acrylonitrile	<100	ug/L	100	50		04/02/18 13:47	107-13-1	
Benzene	<50.0	ug/L	50.0	50		04/02/18 13:47	71-43-2	
Bromobenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	108-86-1	
Bromochloromethane	<50.0	ug/L	50.0	50		04/02/18 13:47	74-97-5	
Bromodichloromethane	<50.0	ug/L	50.0	50		04/02/18 13:47	75-27-4	
Bromoform	<50.0	ug/L	50.0	50		04/02/18 13:47	75-25-2	
Bromomethane	<250	ug/L	250	50		04/02/18 13:47	74-83-9	
2-Butanone (MEK)	<250	ug/L	250	50		04/02/18 13:47	78-93-3	
n-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	104-51-8	
sec-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	135-98-8	
tert-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	98-06-6	
Carbon disulfide	<250	ug/L	250	50		04/02/18 13:47	75-15-0	
Carbon tetrachloride	<50.0	ug/L	50.0	50		04/02/18 13:47	56-23-5	
Chlorobenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	108-90-7	
Chloroethane	<250	ug/L	250	50		04/02/18 13:47	75-00-3	
Chloroform	<50.0	ug/L	50.0	50		04/02/18 13:47	67-66-3	
Chloromethane	<250	ug/L	250	50		04/02/18 13:47	74-87-3	
1,2-Dibromo-3-chloropropane	<250	ug/L	250	50		04/02/18 13:47	96-12-8	
Dibromochloromethane	<50.0	ug/L	50.0	50		04/02/18 13:47	124-48-1	
1,2-Dibromoethane (EDB)	<50.0	ug/L	50.0	50		04/02/18 13:47	106-93-4	
Dibromomethane	<50.0	ug/L	50.0	50		04/02/18 13:47	74-95-3	
1,2-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	95-50-1	
1,3-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	541-73-1	
1,4-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	106-46-7	
trans-1,4-Dichloro-2-butene	<50.0	ug/L	50.0	50		04/02/18 13:47	110-57-6	
Dichlorodifluoromethane	<250	ug/L	250	50		04/02/18 13:47	75-71-8	CL
1,1-Dichloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	75-34-3	
1,2-Dichloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	107-06-2	
1,1-Dichloroethene	<50.0	ug/L	50.0	50		04/02/18 13:47	75-35-4	
cis-1,2-Dichloroethene	4490	ug/L	50.0	50		04/02/18 13:47	156-59-2	
trans-1,2-Dichloroethene	<50.0	ug/L	50.0	50		04/02/18 13:47	156-60-5	
1,2-Dichloropropane	<50.0	ug/L	50.0	50		04/02/18 13:47	78-87-5	
cis-1,3-Dichloropropene	<50.0	ug/L	50.0	50		04/02/18 13:47	10061-01-5	
trans-1,3-Dichloropropene	<50.0	ug/L	50.0	50		04/02/18 13:47	10061-02-6	
Diethyl ether (Ethyl ether)	<50.0	ug/L	50.0	50		04/02/18 13:47	60-29-7	
Ethylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	100-41-4	
2-Hexanone	<250	ug/L	250	50		04/02/18 13:47	591-78-6	
Iodomethane	<50.0	ug/L	50.0	50		04/02/18 13:47	74-88-4	
Isopropylbenzene (Cumene)	<50.0	ug/L	50.0	50		04/02/18 13:47	98-82-8	
p-Isopropyltoluene	<250	ug/L	250	50		04/02/18 13:47	99-87-6	
Methylene Chloride	<250	ug/L	250	50		04/02/18 13:47	75-09-2	
2-Methylnaphthalene	<250	ug/L	250	50		04/02/18 13:47	91-57-6	
4-Methyl-2-pentanone (MIBK)	<250	ug/L	250	50		04/02/18 13:47	108-10-1	
Methyl-tert-butyl ether	<250	ug/L	250	50		04/02/18 13:47	1634-04-4	
Naphthalene	<250	ug/L	250	50		04/02/18 13:47	91-20-3	
n-Propylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-50d	Lab ID: 469834008	Collected: 03/21/18 11:59	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<50.0	ug/L	50.0	50		04/02/18 13:47	100-42-5	
1,1,1,2-Tetrachloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	630-20-6	
1,1,2,2-Tetrachloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	79-34-5	
Tetrachloroethene	<50.0	ug/L	50.0	50		04/02/18 13:47	127-18-4	
Tetrahydrofuran	<250	ug/L	250	50		04/02/18 13:47	109-99-9	
Toluene	<50.0	ug/L	50.0	50		04/02/18 13:47	108-88-3	
1,2,3-Trichlorobenzene	<250	ug/L	250	50		04/02/18 13:47	87-61-6	
1,2,4-Trichlorobenzene	<250	ug/L	250	50		04/02/18 13:47	120-82-1	
1,1,1-Trichloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	71-55-6	
1,1,2-Trichloroethane	<50.0	ug/L	50.0	50		04/02/18 13:47	79-00-5	
Trichloroethene	<50.0	ug/L	50.0	50		04/02/18 13:47	79-01-6	
Trichlorofluoromethane	<50.0	ug/L	50.0	50		04/02/18 13:47	75-69-4	
1,2,3-Trichloropropane	<50.0	ug/L	50.0	50		04/02/18 13:47	96-18-4	
1,2,4-Trimethylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	95-63-6	
1,3,5-Trimethylbenzene	<50.0	ug/L	50.0	50		04/02/18 13:47	108-67-8	
Vinyl chloride	103	ug/L	50.0	50		04/02/18 13:47	75-01-4	
m&p-Xylene	<100	ug/L	100	50		04/02/18 13:47	179601-23-1	
o-Xylene	<50.0	ug/L	50.0	50		04/02/18 13:47	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	50		04/02/18 13:47	17060-07-0	
Dibromofluoromethane (S)	97	%.	85-118	50		04/02/18 13:47	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	50		04/02/18 13:47	460-00-4	
Toluene-d8 (S)	98	%.	85-113	50		04/02/18 13:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-51	Lab ID: 469834009	Collected: 03/20/18 15:12	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<1000	ug/L	1000	50		04/02/18 14:13	67-64-1	
Acrylonitrile	<100	ug/L	100	50		04/02/18 14:13	107-13-1	
Benzene	<50.0	ug/L	50.0	50		04/02/18 14:13	71-43-2	
Bromobenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	108-86-1	
Bromochloromethane	<50.0	ug/L	50.0	50		04/02/18 14:13	74-97-5	
Bromodichloromethane	<50.0	ug/L	50.0	50		04/02/18 14:13	75-27-4	
Bromoform	<50.0	ug/L	50.0	50		04/02/18 14:13	75-25-2	
Bromomethane	<250	ug/L	250	50		04/02/18 14:13	74-83-9	
2-Butanone (MEK)	<250	ug/L	250	50		04/02/18 14:13	78-93-3	
n-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	104-51-8	
sec-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	135-98-8	
tert-Butylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	98-06-6	
Carbon disulfide	<250	ug/L	250	50		04/02/18 14:13	75-15-0	
Carbon tetrachloride	<50.0	ug/L	50.0	50		04/02/18 14:13	56-23-5	
Chlorobenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	108-90-7	
Chloroethane	<250	ug/L	250	50		04/02/18 14:13	75-00-3	
Chloroform	<50.0	ug/L	50.0	50		04/02/18 14:13	67-66-3	
Chloromethane	<250	ug/L	250	50		04/02/18 14:13	74-87-3	
1,2-Dibromo-3-chloropropane	<250	ug/L	250	50		04/02/18 14:13	96-12-8	
Dibromochloromethane	<50.0	ug/L	50.0	50		04/02/18 14:13	124-48-1	
1,2-Dibromoethane (EDB)	<50.0	ug/L	50.0	50		04/02/18 14:13	106-93-4	
Dibromomethane	<50.0	ug/L	50.0	50		04/02/18 14:13	74-95-3	
1,2-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	95-50-1	
1,3-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	541-73-1	
1,4-Dichlorobenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	106-46-7	
trans-1,4-Dichloro-2-butene	<50.0	ug/L	50.0	50		04/02/18 14:13	110-57-6	
Dichlorodifluoromethane	<250	ug/L	250	50		04/02/18 14:13	75-71-8	CL
1,1-Dichloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	75-34-3	
1,2-Dichloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	107-06-2	
1,1-Dichloroethene	<50.0	ug/L	50.0	50		04/02/18 14:13	75-35-4	
cis-1,2-Dichloroethene	4320	ug/L	50.0	50		04/02/18 14:13	156-59-2	
trans-1,2-Dichloroethene	<50.0	ug/L	50.0	50		04/02/18 14:13	156-60-5	
1,2-Dichloropropane	<50.0	ug/L	50.0	50		04/02/18 14:13	78-87-5	
cis-1,3-Dichloropropene	<50.0	ug/L	50.0	50		04/02/18 14:13	10061-01-5	
trans-1,3-Dichloropropene	<50.0	ug/L	50.0	50		04/02/18 14:13	10061-02-6	
Diethyl ether (Ethyl ether)	<50.0	ug/L	50.0	50		04/02/18 14:13	60-29-7	
Ethylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	100-41-4	
2-Hexanone	<250	ug/L	250	50		04/02/18 14:13	591-78-6	
Iodomethane	<50.0	ug/L	50.0	50		04/02/18 14:13	74-88-4	
Isopropylbenzene (Cumene)	<50.0	ug/L	50.0	50		04/02/18 14:13	98-82-8	
p-Isopropyltoluene	<250	ug/L	250	50		04/02/18 14:13	99-87-6	
Methylene Chloride	<250	ug/L	250	50		04/02/18 14:13	75-09-2	
2-Methylnaphthalene	<250	ug/L	250	50		04/02/18 14:13	91-57-6	
4-Methyl-2-pentanone (MIBK)	<250	ug/L	250	50		04/02/18 14:13	108-10-1	
Methyl-tert-butyl ether	<250	ug/L	250	50		04/02/18 14:13	1634-04-4	
Naphthalene	<250	ug/L	250	50		04/02/18 14:13	91-20-3	
n-Propylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-51	Lab ID: 469834009	Collected: 03/20/18 15:12	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<50.0	ug/L	50.0	50		04/02/18 14:13	100-42-5	
1,1,1,2-Tetrachloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	630-20-6	
1,1,2,2-Tetrachloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	79-34-5	
Tetrachloroethene	<50.0	ug/L	50.0	50		04/02/18 14:13	127-18-4	
Tetrahydrofuran	<250	ug/L	250	50		04/02/18 14:13	109-99-9	
Toluene	<50.0	ug/L	50.0	50		04/02/18 14:13	108-88-3	
1,2,3-Trichlorobenzene	<250	ug/L	250	50		04/02/18 14:13	87-61-6	
1,2,4-Trichlorobenzene	<250	ug/L	250	50		04/02/18 14:13	120-82-1	
1,1,1-Trichloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	71-55-6	
1,1,2-Trichloroethane	<50.0	ug/L	50.0	50		04/02/18 14:13	79-00-5	
Trichloroethene	1230	ug/L	50.0	50		04/02/18 14:13	79-01-6	
Trichlorofluoromethane	<50.0	ug/L	50.0	50		04/02/18 14:13	75-69-4	
1,2,3-Trichloropropane	<50.0	ug/L	50.0	50		04/02/18 14:13	96-18-4	
1,2,4-Trimethylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	95-63-6	
1,3,5-Trimethylbenzene	<50.0	ug/L	50.0	50		04/02/18 14:13	108-67-8	
Vinyl chloride	370	ug/L	50.0	50		04/02/18 14:13	75-01-4	
m&p-Xylene	<100	ug/L	100	50		04/02/18 14:13	179601-23-1	
o-Xylene	<50.0	ug/L	50.0	50		04/02/18 14:13	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	50		04/02/18 14:13	17060-07-0	
Dibromofluoromethane (S)	98	%.	85-118	50		04/02/18 14:13	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	82-110	50		04/02/18 14:13	460-00-4	
Toluene-d8 (S)	100	%.	85-113	50		04/02/18 14:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-49s	Lab ID: 469834010	Collected: 03/20/18 17:08	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 18:10	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 18:10	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 18:10	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 18:10	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 18:10	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 18:10	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 18:10	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 18:10	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 18:10	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 18:10	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 18:10	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 18:10	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 18:10	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 18:10	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 18:10	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 18:10	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 18:10	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 18:10	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 18:10	75-71-8	CL
1,1-Dichloroethane	37.6	ug/L	10.0	10		04/02/18 18:10	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 18:10	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 18:10	75-35-4	
cis-1,2-Dichloroethene	832	ug/L	10.0	10		04/02/18 18:10	156-59-2	
trans-1,2-Dichloroethene	14.9	ug/L	10.0	10		04/02/18 18:10	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 18:10	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 18:10	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 18:10	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 18:10	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 18:10	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 18:10	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 18:10	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 18:10	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 18:10	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 18:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 18:10	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 18:10	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 18:10	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-49s	Lab ID: 469834010	Collected: 03/20/18 17:08	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 18:10	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 18:10	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 18:10	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 18:10	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 18:10	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 18:10	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 18:10	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 18:10	120-82-1	
1,1,1-Trichloroethane	37.7	ug/L	10.0	10		04/02/18 18:10	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 18:10	79-00-5	
Trichloroethene	1510	ug/L	10.0	10		04/02/18 18:10	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 18:10	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 18:10	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 18:10	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		04/02/18 18:10	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 18:10	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 18:10	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	10		04/02/18 18:10	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	10		04/02/18 18:10	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 18:10	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/02/18 18:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-49d	Lab ID: 469834011	Collected: 03/20/18 17:10	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<400	ug/L	400	20		04/02/18 18:36	67-64-1	
Acrylonitrile	<40.0	ug/L	40.0	20		04/02/18 18:36	107-13-1	
Benzene	<20.0	ug/L	20.0	20		04/02/18 18:36	71-43-2	
Bromobenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	108-86-1	
Bromochloromethane	<20.0	ug/L	20.0	20		04/02/18 18:36	74-97-5	
Bromodichloromethane	<20.0	ug/L	20.0	20		04/02/18 18:36	75-27-4	
Bromoform	<20.0	ug/L	20.0	20		04/02/18 18:36	75-25-2	
Bromomethane	<100	ug/L	100	20		04/02/18 18:36	74-83-9	
2-Butanone (MEK)	<100	ug/L	100	20		04/02/18 18:36	78-93-3	
n-Butylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	104-51-8	
sec-Butylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	135-98-8	
tert-Butylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	98-06-6	
Carbon disulfide	<100	ug/L	100	20		04/02/18 18:36	75-15-0	
Carbon tetrachloride	<20.0	ug/L	20.0	20		04/02/18 18:36	56-23-5	
Chlorobenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	108-90-7	
Chloroethane	<100	ug/L	100	20		04/02/18 18:36	75-00-3	
Chloroform	<20.0	ug/L	20.0	20		04/02/18 18:36	67-66-3	
Chloromethane	<100	ug/L	100	20		04/02/18 18:36	74-87-3	
1,2-Dibromo-3-chloropropane	<100	ug/L	100	20		04/02/18 18:36	96-12-8	
Dibromochloromethane	<20.0	ug/L	20.0	20		04/02/18 18:36	124-48-1	
1,2-Dibromoethane (EDB)	<20.0	ug/L	20.0	20		04/02/18 18:36	106-93-4	
Dibromomethane	<20.0	ug/L	20.0	20		04/02/18 18:36	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	106-46-7	
trans-1,4-Dichloro-2-butene	<20.0	ug/L	20.0	20		04/02/18 18:36	110-57-6	
Dichlorodifluoromethane	<100	ug/L	100	20		04/02/18 18:36	75-71-8	CL
1,1-Dichloroethane	26.2	ug/L	20.0	20		04/02/18 18:36	75-34-3	
1,2-Dichloroethane	<20.0	ug/L	20.0	20		04/02/18 18:36	107-06-2	
1,1-Dichloroethene	<20.0	ug/L	20.0	20		04/02/18 18:36	75-35-4	
cis-1,2-Dichloroethene	478	ug/L	20.0	20		04/02/18 18:36	156-59-2	
trans-1,2-Dichloroethene	<20.0	ug/L	20.0	20		04/02/18 18:36	156-60-5	
1,2-Dichloropropane	<20.0	ug/L	20.0	20		04/02/18 18:36	78-87-5	
cis-1,3-Dichloropropene	<20.0	ug/L	20.0	20		04/02/18 18:36	10061-01-5	
trans-1,3-Dichloropropene	<20.0	ug/L	20.0	20		04/02/18 18:36	10061-02-6	
Diethyl ether (Ethyl ether)	<20.0	ug/L	20.0	20		04/02/18 18:36	60-29-7	
Ethylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	100-41-4	
2-Hexanone	<100	ug/L	100	20		04/02/18 18:36	591-78-6	
Iodomethane	<20.0	ug/L	20.0	20		04/02/18 18:36	74-88-4	
Isopropylbenzene (Cumene)	<20.0	ug/L	20.0	20		04/02/18 18:36	98-82-8	
p-Isopropyltoluene	<100	ug/L	100	20		04/02/18 18:36	99-87-6	
Methylene Chloride	<100	ug/L	100	20		04/02/18 18:36	75-09-2	
2-Methylnaphthalene	<100	ug/L	100	20		04/02/18 18:36	91-57-6	
4-Methyl-2-pentanone (MIBK)	<100	ug/L	100	20		04/02/18 18:36	108-10-1	
Methyl-tert-butyl ether	<100	ug/L	100	20		04/02/18 18:36	1634-04-4	
Naphthalene	<100	ug/L	100	20		04/02/18 18:36	91-20-3	
n-Propylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-49d	Lab ID: 469834011	Collected: 03/20/18 17:10	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<20.0	ug/L	20.0	20		04/02/18 18:36	100-42-5	
1,1,1,2-Tetrachloroethane	<20.0	ug/L	20.0	20		04/02/18 18:36	630-20-6	
1,1,2,2-Tetrachloroethane	<20.0	ug/L	20.0	20		04/02/18 18:36	79-34-5	
Tetrachloroethene	<20.0	ug/L	20.0	20		04/02/18 18:36	127-18-4	
Tetrahydrofuran	<100	ug/L	100	20		04/02/18 18:36	109-99-9	
Toluene	<20.0	ug/L	20.0	20		04/02/18 18:36	108-88-3	
1,2,3-Trichlorobenzene	<100	ug/L	100	20		04/02/18 18:36	87-61-6	
1,2,4-Trichlorobenzene	<100	ug/L	100	20		04/02/18 18:36	120-82-1	
1,1,1-Trichloroethane	89.9	ug/L	20.0	20		04/02/18 18:36	71-55-6	
1,1,2-Trichloroethane	<20.0	ug/L	20.0	20		04/02/18 18:36	79-00-5	
Trichloroethene	2590	ug/L	20.0	20		04/02/18 18:36	79-01-6	
Trichlorofluoromethane	<20.0	ug/L	20.0	20		04/02/18 18:36	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	20.0	20		04/02/18 18:36	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	95-63-6	
1,3,5-Trimethylbenzene	<20.0	ug/L	20.0	20		04/02/18 18:36	108-67-8	
Vinyl chloride	<20.0	ug/L	20.0	20		04/02/18 18:36	75-01-4	
m&p-Xylene	<40.0	ug/L	40.0	20		04/02/18 18:36	179601-23-1	
o-Xylene	<20.0	ug/L	20.0	20		04/02/18 18:36	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	20		04/02/18 18:36	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	20		04/02/18 18:36	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	82-110	20		04/02/18 18:36	460-00-4	
Toluene-d8 (S)	100	%.	85-113	20		04/02/18 18:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: Dup-01	Lab ID: 469834012	Collected: 03/21/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/03/18 16:07	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/03/18 16:07	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/03/18 16:07	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/03/18 16:07	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/03/18 16:07	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/03/18 16:07	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/03/18 16:07	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/03/18 16:07	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/03/18 16:07	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/03/18 16:07	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/03/18 16:07	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/03/18 16:07	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/03/18 16:07	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/03/18 16:07	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/03/18 16:07	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/03/18 16:07	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/03/18 16:07	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/03/18 16:07	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/03/18 16:07	75-71-8	
1,1-Dichloroethane	15.0	ug/L	10.0	10		04/03/18 16:07	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/03/18 16:07	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/03/18 16:07	75-35-4	
cis-1,2-Dichloroethene	1230	ug/L	10.0	10		04/03/18 16:07	156-59-2	
trans-1,2-Dichloroethene	15.3	ug/L	10.0	10		04/03/18 16:07	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/03/18 16:07	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/03/18 16:07	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/03/18 16:07	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/03/18 16:07	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/03/18 16:07	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/03/18 16:07	74-88-4	L1
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/03/18 16:07	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/03/18 16:07	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/03/18 16:07	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/03/18 16:07	91-57-6	L2
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/03/18 16:07	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/03/18 16:07	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/03/18 16:07	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: Dup-01	Lab ID: 469834012	Collected: 03/21/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/03/18 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/03/18 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/03/18 16:07	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/03/18 16:07	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/03/18 16:07	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/03/18 16:07	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/03/18 16:07	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/03/18 16:07	120-82-1	
1,1,1-Trichloroethane	23.0	ug/L	10.0	10		04/03/18 16:07	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/03/18 16:07	79-00-5	
Trichloroethene	1150	ug/L	10.0	10		04/03/18 16:07	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/03/18 16:07	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/03/18 16:07	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/03/18 16:07	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		04/03/18 16:07	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/03/18 16:07	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/03/18 16:07	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	87-122	10		04/03/18 16:07	17060-07-0	
Dibromofluoromethane (S)	100	%.	85-118	10		04/03/18 16:07	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	82-110	10		04/03/18 16:07	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/03/18 16:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-47d	Lab ID: 469834013	Collected: 03/21/18 15:48	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		04/02/18 11:10	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		04/02/18 11:10	107-13-1	
Benzene	<1.0	ug/L	1.0	1		04/02/18 11:10	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		04/02/18 11:10	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/02/18 11:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/02/18 11:10	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		04/02/18 11:10	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/02/18 11:10	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		04/02/18 11:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/02/18 11:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		04/02/18 11:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/02/18 11:10	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		04/02/18 11:10	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		04/02/18 11:10	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		04/02/18 11:10	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/02/18 11:10	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		04/02/18 11:10	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		04/02/18 11:10	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		04/02/18 11:10	75-71-8	CL
1,1-Dichloroethane	10.8	ug/L	1.0	1		04/02/18 11:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/02/18 11:10	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/02/18 11:10	75-35-4	
cis-1,2-Dichloroethene	38.8	ug/L	1.0	1		04/02/18 11:10	156-59-2	
trans-1,2-Dichloroethene	1.5	ug/L	1.0	1		04/02/18 11:10	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/02/18 11:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/02/18 11:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/02/18 11:10	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		04/02/18 11:10	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		04/02/18 11:10	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		04/02/18 11:10	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/02/18 11:10	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		04/02/18 11:10	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		04/02/18 11:10	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		04/02/18 11:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/02/18 11:10	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		04/02/18 11:10	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		04/02/18 11:10	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-47d	Lab ID: 469834013	Collected: 03/21/18 15:48	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		04/02/18 11:10	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/02/18 11:10	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/02/18 11:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/02/18 11:10	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		04/02/18 11:10	109-99-9	
Toluene	<1.0	ug/L	1.0	1		04/02/18 11:10	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		04/02/18 11:10	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		04/02/18 11:10	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/02/18 11:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/02/18 11:10	79-00-5	
Trichloroethene	8.4	ug/L	1.0	1		04/02/18 11:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/02/18 11:10	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		04/02/18 11:10	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		04/02/18 11:10	108-67-8	
Vinyl chloride	4.2	ug/L	1.0	1		04/02/18 11:10	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		04/02/18 11:10	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		04/02/18 11:10	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	87-122	1		04/02/18 11:10	17060-07-0	
Dibromofluoromethane (S)	98	%.	85-118	1		04/02/18 11:10	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	82-110	1		04/02/18 11:10	460-00-4	
Toluene-d8 (S)	98	%.	85-113	1		04/02/18 11:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-46d	Lab ID: 469834014	Collected: 03/21/18 14:11	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<100	ug/L	100	5		04/02/18 15:59	67-64-1	
Acrylonitrile	<10.0	ug/L	10.0	5		04/02/18 15:59	107-13-1	
Benzene	<5.0	ug/L	5.0	5		04/02/18 15:59	71-43-2	
Bromobenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	108-86-1	
Bromochloromethane	<5.0	ug/L	5.0	5		04/02/18 15:59	74-97-5	
Bromodichloromethane	<5.0	ug/L	5.0	5		04/02/18 15:59	75-27-4	
Bromoform	<5.0	ug/L	5.0	5		04/02/18 15:59	75-25-2	
Bromomethane	<25.0	ug/L	25.0	5		04/02/18 15:59	74-83-9	
2-Butanone (MEK)	<25.0	ug/L	25.0	5		04/02/18 15:59	78-93-3	
n-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	104-51-8	
sec-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	135-98-8	
tert-Butylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	98-06-6	
Carbon disulfide	<25.0	ug/L	25.0	5		04/02/18 15:59	75-15-0	
Carbon tetrachloride	<5.0	ug/L	5.0	5		04/02/18 15:59	56-23-5	
Chlorobenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	108-90-7	
Chloroethane	<25.0	ug/L	25.0	5		04/02/18 15:59	75-00-3	
Chloroform	<5.0	ug/L	5.0	5		04/02/18 15:59	67-66-3	
Chloromethane	<25.0	ug/L	25.0	5		04/02/18 15:59	74-87-3	
1,2-Dibromo-3-chloropropane	<25.0	ug/L	25.0	5		04/02/18 15:59	96-12-8	
Dibromochloromethane	<5.0	ug/L	5.0	5		04/02/18 15:59	124-48-1	
1,2-Dibromoethane (EDB)	<5.0	ug/L	5.0	5		04/02/18 15:59	106-93-4	
Dibromomethane	<5.0	ug/L	5.0	5		04/02/18 15:59	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	106-46-7	
trans-1,4-Dichloro-2-butene	<5.0	ug/L	5.0	5		04/02/18 15:59	110-57-6	
Dichlorodifluoromethane	<25.0	ug/L	25.0	5		04/02/18 15:59	75-71-8	CL
1,1-Dichloroethane	6.0	ug/L	5.0	5		04/02/18 15:59	75-34-3	
1,2-Dichloroethane	<5.0	ug/L	5.0	5		04/02/18 15:59	107-06-2	
1,1-Dichloroethene	<5.0	ug/L	5.0	5		04/02/18 15:59	75-35-4	
cis-1,2-Dichloroethene	828	ug/L	5.0	5		04/02/18 15:59	156-59-2	
trans-1,2-Dichloroethene	13.0	ug/L	5.0	5		04/02/18 15:59	156-60-5	
1,2-Dichloropropane	<5.0	ug/L	5.0	5		04/02/18 15:59	78-87-5	
cis-1,3-Dichloropropene	<5.0	ug/L	5.0	5		04/02/18 15:59	10061-01-5	
trans-1,3-Dichloropropene	<5.0	ug/L	5.0	5		04/02/18 15:59	10061-02-6	
Diethyl ether (Ethyl ether)	<5.0	ug/L	5.0	5		04/02/18 15:59	60-29-7	
Ethylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	100-41-4	
2-Hexanone	<25.0	ug/L	25.0	5		04/02/18 15:59	591-78-6	
Iodomethane	<5.0	ug/L	5.0	5		04/02/18 15:59	74-88-4	
Isopropylbenzene (Cumene)	<5.0	ug/L	5.0	5		04/02/18 15:59	98-82-8	
p-Isopropyltoluene	<25.0	ug/L	25.0	5		04/02/18 15:59	99-87-6	
Methylene Chloride	<25.0	ug/L	25.0	5		04/02/18 15:59	75-09-2	
2-Methylnaphthalene	<25.0	ug/L	25.0	5		04/02/18 15:59	91-57-6	
4-Methyl-2-pentanone (MIBK)	<25.0	ug/L	25.0	5		04/02/18 15:59	108-10-1	
Methyl-tert-butyl ether	<25.0	ug/L	25.0	5		04/02/18 15:59	1634-04-4	
Naphthalene	<25.0	ug/L	25.0	5		04/02/18 15:59	91-20-3	
n-Propylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-46d	Lab ID: 469834014	Collected: 03/21/18 14:11	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV		Analytical Method: EPA 8260B						
Styrene	<5.0	ug/L	5.0	5		04/02/18 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	<5.0	ug/L	5.0	5		04/02/18 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	<5.0	ug/L	5.0	5		04/02/18 15:59	79-34-5	
Tetrachloroethene	<5.0	ug/L	5.0	5		04/02/18 15:59	127-18-4	
Tetrahydrofuran	<25.0	ug/L	25.0	5		04/02/18 15:59	109-99-9	
Toluene	<5.0	ug/L	5.0	5		04/02/18 15:59	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/L	25.0	5		04/02/18 15:59	87-61-6	
1,2,4-Trichlorobenzene	<25.0	ug/L	25.0	5		04/02/18 15:59	120-82-1	
1,1,1-Trichloroethane	9.6	ug/L	5.0	5		04/02/18 15:59	71-55-6	
1,1,2-Trichloroethane	<5.0	ug/L	5.0	5		04/02/18 15:59	79-00-5	
Trichloroethene	214	ug/L	5.0	5		04/02/18 15:59	79-01-6	
Trichlorofluoromethane	<5.0	ug/L	5.0	5		04/02/18 15:59	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	5.0	5		04/02/18 15:59	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	5.0	5		04/02/18 15:59	108-67-8	
Vinyl chloride	<5.0	ug/L	5.0	5		04/02/18 15:59	75-01-4	
m&p-Xylene	<10.0	ug/L	10.0	5		04/02/18 15:59	179601-23-1	
o-Xylene	<5.0	ug/L	5.0	5		04/02/18 15:59	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	87-122	5		04/02/18 15:59	17060-07-0	
Dibromofluoromethane (S)	100	%.	85-118	5		04/02/18 15:59	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	82-110	5		04/02/18 15:59	460-00-4	
Toluene-d8 (S)	100	%.	85-113	5		04/02/18 15:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-42s	Lab ID: 469834015	Collected: 03/21/18 15:25	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 16:25	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 16:25	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 16:25	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 16:25	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 16:25	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 16:25	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 16:25	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 16:25	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 16:25	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 16:25	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 16:25	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 16:25	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 16:25	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 16:25	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 16:25	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 16:25	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 16:25	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 16:25	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 16:25	75-71-8	CL
1,1-Dichloroethane	13.6	ug/L	10.0	10		04/02/18 16:25	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 16:25	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 16:25	75-35-4	
cis-1,2-Dichloroethene	1340	ug/L	10.0	10		04/02/18 16:25	156-59-2	
trans-1,2-Dichloroethene	10.8	ug/L	10.0	10		04/02/18 16:25	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 16:25	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 16:25	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 16:25	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 16:25	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 16:25	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 16:25	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 16:25	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 16:25	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 16:25	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 16:25	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 16:25	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 16:25	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 16:25	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-42s	Lab ID: 469834015	Collected: 03/21/18 15:25	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV		Analytical Method: EPA 8260B						
Styrene	<10.0	ug/L	10.0	10		04/02/18 16:25	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 16:25	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 16:25	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 16:25	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 16:25	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 16:25	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 16:25	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 16:25	120-82-1	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 16:25	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 16:25	79-00-5	
Trichloroethene	<10.0	ug/L	10.0	10		04/02/18 16:25	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 16:25	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 16:25	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:25	108-67-8	
Vinyl chloride	33.9	ug/L	10.0	10		04/02/18 16:25	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 16:25	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 16:25	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	87-122	10		04/02/18 16:25	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	10		04/02/18 16:25	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	82-110	10		04/02/18 16:25	460-00-4	
Toluene-d8 (S)	101	%.	85-113	10		04/02/18 16:25	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: MW-42d	Lab ID: 469834016	Collected: 03/21/18 15:15	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 16:51	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 16:51	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 16:51	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 16:51	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 16:51	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 16:51	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 16:51	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 16:51	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 16:51	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 16:51	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 16:51	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 16:51	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 16:51	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 16:51	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 16:51	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 16:51	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 16:51	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 16:51	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 16:51	75-71-8	CL
1,1-Dichloroethane	13.7	ug/L	10.0	10		04/02/18 16:51	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 16:51	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 16:51	75-35-4	
cis-1,2-Dichloroethene	1170	ug/L	10.0	10		04/02/18 16:51	156-59-2	
trans-1,2-Dichloroethene	15.2	ug/L	10.0	10		04/02/18 16:51	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 16:51	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 16:51	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 16:51	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 16:51	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 16:51	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 16:51	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 16:51	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 16:51	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 16:51	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 16:51	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 16:51	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 16:51	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 16:51	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: MW-42d	Lab ID: 469834016	Collected: 03/21/18 15:15	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 16:51	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 16:51	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 16:51	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 16:51	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 16:51	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 16:51	120-82-1	
1,1,1-Trichloroethane	22.9	ug/L	10.0	10		04/02/18 16:51	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 16:51	79-00-5	
Trichloroethene	1080	ug/L	10.0	10		04/02/18 16:51	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 16:51	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 16:51	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 16:51	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		04/02/18 16:51	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 16:51	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 16:51	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	10		04/02/18 16:51	17060-07-0	
Dibromofluoromethane (S)	96	%.	85-118	10		04/02/18 16:51	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 16:51	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/02/18 16:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: Dup-02	Lab ID: 469834017	Collected: 03/20/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		04/02/18 17:17	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		04/02/18 17:17	107-13-1	
Benzene	<10.0	ug/L	10.0	10		04/02/18 17:17	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		04/02/18 17:17	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		04/02/18 17:17	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		04/02/18 17:17	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		04/02/18 17:17	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		04/02/18 17:17	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		04/02/18 17:17	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		04/02/18 17:17	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		04/02/18 17:17	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		04/02/18 17:17	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		04/02/18 17:17	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		04/02/18 17:17	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		04/02/18 17:17	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		04/02/18 17:17	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		04/02/18 17:17	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		04/02/18 17:17	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		04/02/18 17:17	75-71-8	CL
1,1-Dichloroethane	11.9	ug/L	10.0	10		04/02/18 17:17	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		04/02/18 17:17	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 17:17	75-35-4	
cis-1,2-Dichloroethene	198	ug/L	10.0	10		04/02/18 17:17	156-59-2	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		04/02/18 17:17	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		04/02/18 17:17	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 17:17	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		04/02/18 17:17	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		04/02/18 17:17	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		04/02/18 17:17	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		04/02/18 17:17	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		04/02/18 17:17	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		04/02/18 17:17	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		04/02/18 17:17	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		04/02/18 17:17	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		04/02/18 17:17	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		04/02/18 17:17	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		04/02/18 17:17	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: Dup-02	Lab ID: 469834017	Collected: 03/20/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		04/02/18 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		04/02/18 17:17	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		04/02/18 17:17	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		04/02/18 17:17	109-99-9	
Toluene	<10.0	ug/L	10.0	10		04/02/18 17:17	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 17:17	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		04/02/18 17:17	120-82-1	
1,1,1-Trichloroethane	30.2	ug/L	10.0	10		04/02/18 17:17	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		04/02/18 17:17	79-00-5	
Trichloroethene	927	ug/L	10.0	10		04/02/18 17:17	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		04/02/18 17:17	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		04/02/18 17:17	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		04/02/18 17:17	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		04/02/18 17:17	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		04/02/18 17:17	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		04/02/18 17:17	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	10		04/02/18 17:17	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	10		04/02/18 17:17	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	10		04/02/18 17:17	460-00-4	
Toluene-d8 (S)	100	%.	85-113	10		04/02/18 17:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: TB-01	Lab ID: 469834018	Collected: 03/20/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		03/31/18 03:45	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		03/31/18 03:45	107-13-1	
Benzene	<1.0	ug/L	1.0	1		03/31/18 03:45	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/31/18 03:45	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/31/18 03:45	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/31/18 03:45	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		03/31/18 03:45	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/31/18 03:45	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		03/31/18 03:45	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/31/18 03:45	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		03/31/18 03:45	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/31/18 03:45	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		03/31/18 03:45	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		03/31/18 03:45	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/31/18 03:45	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/31/18 03:45	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		03/31/18 03:45	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/31/18 03:45	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		03/31/18 03:45	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 03:45	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 03:45	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 03:45	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/31/18 03:45	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 03:45	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 03:45	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		03/31/18 03:45	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		03/31/18 03:45	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		03/31/18 03:45	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/31/18 03:45	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		03/31/18 03:45	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		03/31/18 03:45	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		03/31/18 03:45	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/31/18 03:45	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		03/31/18 03:45	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		03/31/18 03:45	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: TB-01	Lab ID: 469834018	Collected: 03/20/18 00:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		03/31/18 03:45	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/31/18 03:45	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		03/31/18 03:45	109-99-9	
Toluene	<1.0	ug/L	1.0	1		03/31/18 03:45	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 03:45	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 03:45	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 03:45	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		03/31/18 03:45	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		03/31/18 03:45	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/31/18 03:45	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 03:45	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		03/31/18 03:45	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		03/31/18 03:45	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		03/31/18 03:45	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	87-122	1		03/31/18 03:45	17060-07-0	
Dibromofluoromethane (S)	98	%.	85-118	1		03/31/18 03:45	1868-53-7	
4-Bromofluorobenzene (S)	83	%.	82-110	1		03/31/18 03:45	460-00-4	
Toluene-d8 (S)	96	%.	85-113	1		03/31/18 03:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: SP-01	Lab ID: 469834019	Collected: 03/20/18 10:10	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<400	ug/L	400	20		03/31/18 10:21	67-64-1	
Acrylonitrile	<40.0	ug/L	40.0	20		03/31/18 10:21	107-13-1	
Benzene	<20.0	ug/L	20.0	20		03/31/18 10:21	71-43-2	
Bromobenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	108-86-1	
Bromochloromethane	<20.0	ug/L	20.0	20		03/31/18 10:21	74-97-5	
Bromodichloromethane	<20.0	ug/L	20.0	20		03/31/18 10:21	75-27-4	
Bromoform	<20.0	ug/L	20.0	20		03/31/18 10:21	75-25-2	
Bromomethane	<100	ug/L	100	20		03/31/18 10:21	74-83-9	
2-Butanone (MEK)	<100	ug/L	100	20		03/31/18 10:21	78-93-3	
n-Butylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	104-51-8	
sec-Butylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	135-98-8	
tert-Butylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	98-06-6	
Carbon disulfide	<100	ug/L	100	20		03/31/18 10:21	75-15-0	
Carbon tetrachloride	<20.0	ug/L	20.0	20		03/31/18 10:21	56-23-5	
Chlorobenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	108-90-7	
Chloroethane	<100	ug/L	100	20		03/31/18 10:21	75-00-3	
Chloroform	<20.0	ug/L	20.0	20		03/31/18 10:21	67-66-3	
Chloromethane	<100	ug/L	100	20		03/31/18 10:21	74-87-3	
1,2-Dibromo-3-chloropropane	<100	ug/L	100	20		03/31/18 10:21	96-12-8	
Dibromochloromethane	<20.0	ug/L	20.0	20		03/31/18 10:21	124-48-1	
1,2-Dibromoethane (EDB)	<20.0	ug/L	20.0	20		03/31/18 10:21	106-93-4	
Dibromomethane	<20.0	ug/L	20.0	20		03/31/18 10:21	74-95-3	
1,2-Dichlorobenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	95-50-1	
1,3-Dichlorobenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	541-73-1	
1,4-Dichlorobenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	106-46-7	
trans-1,4-Dichloro-2-butene	<20.0	ug/L	20.0	20		03/31/18 10:21	110-57-6	
Dichlorodifluoromethane	<100	ug/L	100	20		03/31/18 10:21	75-71-8	
1,1-Dichloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	75-34-3	
1,2-Dichloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	107-06-2	
1,1-Dichloroethene	<20.0	ug/L	20.0	20		03/31/18 10:21	75-35-4	
cis-1,2-Dichloroethene	2000	ug/L	20.0	20		03/31/18 10:21	156-59-2	
trans-1,2-Dichloroethene	<20.0	ug/L	20.0	20		03/31/18 10:21	156-60-5	
1,2-Dichloropropane	<20.0	ug/L	20.0	20		03/31/18 10:21	78-87-5	
cis-1,3-Dichloropropene	<20.0	ug/L	20.0	20		03/31/18 10:21	10061-01-5	
trans-1,3-Dichloropropene	<20.0	ug/L	20.0	20		03/31/18 10:21	10061-02-6	
Diethyl ether (Ethyl ether)	<20.0	ug/L	20.0	20		03/31/18 10:21	60-29-7	
Ethylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	100-41-4	
2-Hexanone	<100	ug/L	100	20		03/31/18 10:21	591-78-6	
Iodomethane	<20.0	ug/L	20.0	20		03/31/18 10:21	74-88-4	
Isopropylbenzene (Cumene)	<20.0	ug/L	20.0	20		03/31/18 10:21	98-82-8	
p-Isopropyltoluene	<100	ug/L	100	20		03/31/18 10:21	99-87-6	
Methylene Chloride	<100	ug/L	100	20		03/31/18 10:21	75-09-2	
2-Methylnaphthalene	<100	ug/L	100	20		03/31/18 10:21	91-57-6	
4-Methyl-2-pentanone (MIBK)	<100	ug/L	100	20		03/31/18 10:21	108-10-1	
Methyl-tert-butyl ether	<100	ug/L	100	20		03/31/18 10:21	1634-04-4	
Naphthalene	<100	ug/L	100	20		03/31/18 10:21	91-20-3	
n-Propylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: SP-01	Lab ID: 469834019	Collected: 03/20/18 10:10	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<20.0	ug/L	20.0	20		03/31/18 10:21	100-42-5	
1,1,1,2-Tetrachloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	630-20-6	
1,1,2,2-Tetrachloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	79-34-5	
Tetrachloroethene	<20.0	ug/L	20.0	20		03/31/18 10:21	127-18-4	
Tetrahydrofuran	<100	ug/L	100	20		03/31/18 10:21	109-99-9	
Toluene	<20.0	ug/L	20.0	20		03/31/18 10:21	108-88-3	
1,2,3-Trichlorobenzene	<100	ug/L	100	20		03/31/18 10:21	87-61-6	
1,2,4-Trichlorobenzene	<100	ug/L	100	20		03/31/18 10:21	120-82-1	
1,1,1-Trichloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	71-55-6	
1,1,2-Trichloroethane	<20.0	ug/L	20.0	20		03/31/18 10:21	79-00-5	
Trichloroethene	689	ug/L	20.0	20		03/31/18 10:21	79-01-6	
Trichlorofluoromethane	<20.0	ug/L	20.0	20		03/31/18 10:21	75-69-4	
1,2,3-Trichloropropane	<20.0	ug/L	20.0	20		03/31/18 10:21	96-18-4	
1,2,4-Trimethylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	95-63-6	
1,3,5-Trimethylbenzene	<20.0	ug/L	20.0	20		03/31/18 10:21	108-67-8	
Vinyl chloride	<20.0	ug/L	20.0	20		03/31/18 10:21	75-01-4	
m&p-Xylene	<40.0	ug/L	40.0	20		03/31/18 10:21	179601-23-1	
o-Xylene	<20.0	ug/L	20.0	20		03/31/18 10:21	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	87-122	20		03/31/18 10:21	17060-07-0	
Dibromofluoromethane (S)	102	%.	85-118	20		03/31/18 10:21	1868-53-7	
4-Bromofluorobenzene (S)	85	%.	82-110	20		03/31/18 10:21	460-00-4	
Toluene-d8 (S)	101	%.	85-113	20		03/31/18 10:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: SP-02	Lab ID: 469834020	Collected: 03/20/18 10:05	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		03/31/18 10:45	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		03/31/18 10:45	107-13-1	
Benzene	<10.0	ug/L	10.0	10		03/31/18 10:45	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		03/31/18 10:45	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		03/31/18 10:45	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		03/31/18 10:45	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		03/31/18 10:45	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		03/31/18 10:45	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		03/31/18 10:45	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		03/31/18 10:45	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		03/31/18 10:45	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		03/31/18 10:45	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		03/31/18 10:45	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		03/31/18 10:45	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		03/31/18 10:45	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		03/31/18 10:45	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		03/31/18 10:45	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		03/31/18 10:45	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		03/31/18 10:45	75-71-8	
1,1-Dichloroethane	23.9	ug/L	10.0	10		03/31/18 10:45	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		03/31/18 10:45	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		03/31/18 10:45	75-35-4	
cis-1,2-Dichloroethene	379	ug/L	10.0	10		03/31/18 10:45	156-59-2	
trans-1,2-Dichloroethene	12.4	ug/L	10.0	10		03/31/18 10:45	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		03/31/18 10:45	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 10:45	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 10:45	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		03/31/18 10:45	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		03/31/18 10:45	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		03/31/18 10:45	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		03/31/18 10:45	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		03/31/18 10:45	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		03/31/18 10:45	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		03/31/18 10:45	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		03/31/18 10:45	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		03/31/18 10:45	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		03/31/18 10:45	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: SP-02	Lab ID: 469834020	Collected: 03/20/18 10:05	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		03/31/18 10:45	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 10:45	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 10:45	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		03/31/18 10:45	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		03/31/18 10:45	109-99-9	
Toluene	<10.0	ug/L	10.0	10		03/31/18 10:45	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 10:45	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 10:45	120-82-1	
1,1,1-Trichloroethane	61.6	ug/L	10.0	10		03/31/18 10:45	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		03/31/18 10:45	79-00-5	
Trichloroethene	1580	ug/L	10.0	10		03/31/18 10:45	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		03/31/18 10:45	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		03/31/18 10:45	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 10:45	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		03/31/18 10:45	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		03/31/18 10:45	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		03/31/18 10:45	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	87-122	10		03/31/18 10:45	17060-07-0	
Dibromofluoromethane (S)	98	%.	85-118	10		03/31/18 10:45	1868-53-7	
4-Bromofluorobenzene (S)	86	%.	82-110	10		03/31/18 10:45	460-00-4	
Toluene-d8 (S)	99	%.	85-113	10		03/31/18 10:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: SP-03	Lab ID: 469834021	Collected: 03/20/18 10:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<200	ug/L	200	10		03/31/18 11:10	67-64-1	
Acrylonitrile	<20.0	ug/L	20.0	10		03/31/18 11:10	107-13-1	
Benzene	<10.0	ug/L	10.0	10		03/31/18 11:10	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		03/31/18 11:10	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		03/31/18 11:10	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		03/31/18 11:10	75-25-2	
Bromomethane	<50.0	ug/L	50.0	10		03/31/18 11:10	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		03/31/18 11:10	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	98-06-6	
Carbon disulfide	<50.0	ug/L	50.0	10		03/31/18 11:10	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		03/31/18 11:10	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	108-90-7	
Chloroethane	<50.0	ug/L	50.0	10		03/31/18 11:10	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		03/31/18 11:10	67-66-3	
Chloromethane	<50.0	ug/L	50.0	10		03/31/18 11:10	74-87-3	
1,2-Dibromo-3-chloropropane	<50.0	ug/L	50.0	10		03/31/18 11:10	96-12-8	
Dibromochloromethane	<10.0	ug/L	10.0	10		03/31/18 11:10	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		03/31/18 11:10	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		03/31/18 11:10	74-95-3	
1,2-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	95-50-1	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	541-73-1	
1,4-Dichlorobenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	106-46-7	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		03/31/18 11:10	110-57-6	
Dichlorodifluoromethane	<50.0	ug/L	50.0	10		03/31/18 11:10	75-71-8	
1,1-Dichloroethane	13.6	ug/L	10.0	10		03/31/18 11:10	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		03/31/18 11:10	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		03/31/18 11:10	75-35-4	
cis-1,2-Dichloroethene	195	ug/L	10.0	10		03/31/18 11:10	156-59-2	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		03/31/18 11:10	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		03/31/18 11:10	78-87-5	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 11:10	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		03/31/18 11:10	10061-02-6	
Diethyl ether (Ethyl ether)	<10.0	ug/L	10.0	10		03/31/18 11:10	60-29-7	
Ethylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	100-41-4	
2-Hexanone	<50.0	ug/L	50.0	10		03/31/18 11:10	591-78-6	
Iodomethane	<10.0	ug/L	10.0	10		03/31/18 11:10	74-88-4	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		03/31/18 11:10	98-82-8	
p-Isopropyltoluene	<50.0	ug/L	50.0	10		03/31/18 11:10	99-87-6	
Methylene Chloride	<50.0	ug/L	50.0	10		03/31/18 11:10	75-09-2	
2-Methylnaphthalene	<50.0	ug/L	50.0	10		03/31/18 11:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		03/31/18 11:10	108-10-1	
Methyl-tert-butyl ether	<50.0	ug/L	50.0	10		03/31/18 11:10	1634-04-4	
Naphthalene	<50.0	ug/L	50.0	10		03/31/18 11:10	91-20-3	
n-Propylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: SP-03	Lab ID: 469834021	Collected: 03/20/18 10:00	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<10.0	ug/L	10.0	10		03/31/18 11:10	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 11:10	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		03/31/18 11:10	79-34-5	
Tetrachloroethene	<10.0	ug/L	10.0	10		03/31/18 11:10	127-18-4	
Tetrahydrofuran	<50.0	ug/L	50.0	10		03/31/18 11:10	109-99-9	
Toluene	<10.0	ug/L	10.0	10		03/31/18 11:10	108-88-3	
1,2,3-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 11:10	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	50.0	10		03/31/18 11:10	120-82-1	
1,1,1-Trichloroethane	33.7	ug/L	10.0	10		03/31/18 11:10	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		03/31/18 11:10	79-00-5	
Trichloroethene	897	ug/L	10.0	10		03/31/18 11:10	79-01-6	
Trichlorofluoromethane	<10.0	ug/L	10.0	10		03/31/18 11:10	75-69-4	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		03/31/18 11:10	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		03/31/18 11:10	108-67-8	
Vinyl chloride	<10.0	ug/L	10.0	10		03/31/18 11:10	75-01-4	
m&p-Xylene	<20.0	ug/L	20.0	10		03/31/18 11:10	179601-23-1	
o-Xylene	<10.0	ug/L	10.0	10		03/31/18 11:10	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	10		03/31/18 11:10	17060-07-0	
Dibromofluoromethane (S)	101	%.	85-118	10		03/31/18 11:10	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	82-110	10		03/31/18 11:10	460-00-4	
Toluene-d8 (S)	98	%.	85-113	10		03/31/18 11:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: PW-01	Lab ID: 469834022	Collected: 03/20/18 09:30	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		03/31/18 04:10	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		03/31/18 04:10	107-13-1	
Benzene	<1.0	ug/L	1.0	1		03/31/18 04:10	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:10	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/31/18 04:10	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/31/18 04:10	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		03/31/18 04:10	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/31/18 04:10	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		03/31/18 04:10	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/31/18 04:10	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		03/31/18 04:10	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/31/18 04:10	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		03/31/18 04:10	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		03/31/18 04:10	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:10	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/31/18 04:10	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		03/31/18 04:10	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/31/18 04:10	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		03/31/18 04:10	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:10	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:10	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:10	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:10	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:10	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:10	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		03/31/18 04:10	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		03/31/18 04:10	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		03/31/18 04:10	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/31/18 04:10	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		03/31/18 04:10	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		03/31/18 04:10	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		03/31/18 04:10	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/31/18 04:10	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		03/31/18 04:10	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		03/31/18 04:10	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: PW-01	Lab ID: 469834022	Collected: 03/20/18 09:30	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		03/31/18 04:10	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/31/18 04:10	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		03/31/18 04:10	109-99-9	
Toluene	<1.0	ug/L	1.0	1		03/31/18 04:10	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:10	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:10	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:10	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:10	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		03/31/18 04:10	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:10	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:10	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		03/31/18 04:10	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		03/31/18 04:10	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		03/31/18 04:10	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	87-122	1		03/31/18 04:10	17060-07-0	
Dibromofluoromethane (S)	100	%.	85-118	1		03/31/18 04:10	1868-53-7	
4-Bromofluorobenzene (S)	87	%.	82-110	1		03/31/18 04:10	460-00-4	
Toluene-d8 (S)	100	%.	85-113	1		03/31/18 04:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: PW-04	Lab ID: 469834023	Collected: 03/20/18 09:50	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		03/31/18 04:34	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		03/31/18 04:34	107-13-1	
Benzene	<1.0	ug/L	1.0	1		03/31/18 04:34	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:34	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/31/18 04:34	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/31/18 04:34	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		03/31/18 04:34	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/31/18 04:34	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		03/31/18 04:34	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/31/18 04:34	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		03/31/18 04:34	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/31/18 04:34	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		03/31/18 04:34	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		03/31/18 04:34	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:34	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/31/18 04:34	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		03/31/18 04:34	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/31/18 04:34	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		03/31/18 04:34	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:34	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:34	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:34	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:34	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:34	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:34	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		03/31/18 04:34	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		03/31/18 04:34	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		03/31/18 04:34	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/31/18 04:34	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		03/31/18 04:34	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		03/31/18 04:34	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		03/31/18 04:34	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/31/18 04:34	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		03/31/18 04:34	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		03/31/18 04:34	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: PW-04	Lab ID: 469834023	Collected: 03/20/18 09:50	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV		Analytical Method: EPA 8260B						
Styrene	<1.0	ug/L	1.0	1		03/31/18 04:34	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/31/18 04:34	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		03/31/18 04:34	109-99-9	
Toluene	<1.0	ug/L	1.0	1		03/31/18 04:34	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:34	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:34	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:34	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:34	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		03/31/18 04:34	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:34	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:34	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		03/31/18 04:34	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		03/31/18 04:34	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		03/31/18 04:34	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	87-122	1		03/31/18 04:34	17060-07-0	
Dibromofluoromethane (S)	99	%.	85-118	1		03/31/18 04:34	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	82-110	1		03/31/18 04:34	460-00-4	
Toluene-d8 (S)	99	%.	85-113	1		03/31/18 04:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: PW-07	Lab ID: 469834024	Collected: 03/20/18 08:55	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		03/31/18 04:59	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		03/31/18 04:59	107-13-1	
Benzene	<1.0	ug/L	1.0	1		03/31/18 04:59	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:59	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/31/18 04:59	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/31/18 04:59	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		03/31/18 04:59	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/31/18 04:59	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		03/31/18 04:59	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/31/18 04:59	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		03/31/18 04:59	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/31/18 04:59	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		03/31/18 04:59	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		03/31/18 04:59	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/31/18 04:59	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/31/18 04:59	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		03/31/18 04:59	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/31/18 04:59	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		03/31/18 04:59	75-71-8	
1,1-Dichloroethane	5.4	ug/L	1.0	1		03/31/18 04:59	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:59	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/31/18 04:59	75-35-4	
cis-1,2-Dichloroethene	47.9	ug/L	1.0	1		03/31/18 04:59	156-59-2	
trans-1,2-Dichloroethene	1.4	ug/L	1.0	1		03/31/18 04:59	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:59	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:59	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/31/18 04:59	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		03/31/18 04:59	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		03/31/18 04:59	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		03/31/18 04:59	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/31/18 04:59	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		03/31/18 04:59	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		03/31/18 04:59	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		03/31/18 04:59	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/31/18 04:59	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		03/31/18 04:59	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		03/31/18 04:59	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: PW-07	Lab ID: 469834024	Collected: 03/20/18 08:55	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		03/31/18 04:59	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:59	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/31/18 04:59	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		03/31/18 04:59	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		03/31/18 04:59	109-99-9	
Toluene	<1.0	ug/L	1.0	1		03/31/18 04:59	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:59	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		03/31/18 04:59	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:59	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/31/18 04:59	79-00-5	
Trichloroethene	7.2	ug/L	1.0	1		03/31/18 04:59	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		03/31/18 04:59	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/31/18 04:59	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/31/18 04:59	108-67-8	
Vinyl chloride	20.1	ug/L	1.0	1		03/31/18 04:59	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		03/31/18 04:59	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		03/31/18 04:59	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	87-122	1		03/31/18 04:59	17060-07-0	
Dibromofluoromethane (S)	102	%.	85-118	1		03/31/18 04:59	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	82-110	1		03/31/18 04:59	460-00-4	
Toluene-d8 (S)	98	%.	85-113	1		03/31/18 04:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW

Pace Project No.: 469834

Sample: EB-01	Lab ID: 469834025	Collected: 03/21/18 17:20	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Acetone	<20.0	ug/L	20.0	1		04/02/18 10:44	67-64-1	
Acrylonitrile	<2.0	ug/L	2.0	1		04/02/18 10:44	107-13-1	
Benzene	<1.0	ug/L	1.0	1		04/02/18 10:44	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		04/02/18 10:44	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/02/18 10:44	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/02/18 10:44	75-25-2	
Bromomethane	<5.0	ug/L	5.0	1		04/02/18 10:44	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/02/18 10:44	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	98-06-6	
Carbon disulfide	<5.0	ug/L	5.0	1		04/02/18 10:44	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/02/18 10:44	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	108-90-7	
Chloroethane	<5.0	ug/L	5.0	1		04/02/18 10:44	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/02/18 10:44	67-66-3	
Chloromethane	<5.0	ug/L	5.0	1		04/02/18 10:44	74-87-3	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	5.0	1		04/02/18 10:44	96-12-8	
Dibromochloromethane	<1.0	ug/L	1.0	1		04/02/18 10:44	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/02/18 10:44	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		04/02/18 10:44	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	106-46-7	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		04/02/18 10:44	110-57-6	
Dichlorodifluoromethane	<5.0	ug/L	5.0	1		04/02/18 10:44	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/02/18 10:44	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/02/18 10:44	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/02/18 10:44	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/02/18 10:44	78-87-5	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/02/18 10:44	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/02/18 10:44	10061-02-6	
Diethyl ether (Ethyl ether)	<1.0	ug/L	1.0	1		04/02/18 10:44	60-29-7	
Ethylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	100-41-4	
2-Hexanone	<5.0	ug/L	5.0	1		04/02/18 10:44	591-78-6	
Iodomethane	<1.0	ug/L	1.0	1		04/02/18 10:44	74-88-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/02/18 10:44	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	5.0	1		04/02/18 10:44	99-87-6	
Methylene Chloride	<5.0	ug/L	5.0	1		04/02/18 10:44	75-09-2	
2-Methylnaphthalene	<5.0	ug/L	5.0	1		04/02/18 10:44	91-57-6	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/02/18 10:44	108-10-1	
Methyl-tert-butyl ether	<5.0	ug/L	5.0	1		04/02/18 10:44	1634-04-4	
Naphthalene	<5.0	ug/L	5.0	1		04/02/18 10:44	91-20-3	
n-Propylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	103-65-1	

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ANALYTICAL RESULTS

Project: Tecumseh Products GW
Pace Project No.: 469834

Sample: EB-01	Lab ID: 469834025	Collected: 03/21/18 17:20	Received: 03/22/18 18:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B MSV	Analytical Method: EPA 8260B							
Styrene	<1.0	ug/L	1.0	1		04/02/18 10:44	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/02/18 10:44	127-18-4	
Tetrahydrofuran	<5.0	ug/L	5.0	1		04/02/18 10:44	109-99-9	
Toluene	<1.0	ug/L	1.0	1		04/02/18 10:44	108-88-3	
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	1		04/02/18 10:44	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	5.0	1		04/02/18 10:44	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/02/18 10:44	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		04/02/18 10:44	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	1		04/02/18 10:44	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		04/02/18 10:44	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		04/02/18 10:44	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		04/02/18 10:44	75-01-4	
m&p-Xylene	<2.0	ug/L	2.0	1		04/02/18 10:44	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	1		04/02/18 10:44	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	87-122	1		04/02/18 10:44	17060-07-0	
Dibromofluoromethane (S)	97	%.	85-118	1		04/02/18 10:44	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	82-110	1		04/02/18 10:44	460-00-4	
Toluene-d8 (S)	99	%.	85-113	1		04/02/18 10:44	2037-26-5	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

QC Batch:	19186	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 8260B	Analysis Description:	8260B MSV
Associated Lab Samples:	469834002, 469834005, 469834018, 469834019, 469834020, 469834021, 469834022, 469834023, 469834024		

METHOD BLANK: 76304		Matrix: Water			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/31/18 03:20	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	03/31/18 03:20	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	03/31/18 03:20	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	03/31/18 03:20	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	03/31/18 03:20	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/31/18 03:20	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	03/31/18 03:20	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/31/18 03:20	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/31/18 03:20	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/31/18 03:20	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	03/31/18 03:20	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/31/18 03:20	
2-Hexanone	ug/L	<5.0	5.0	03/31/18 03:20	
2-Methylnaphthalene	ug/L	<5.0	5.0	03/31/18 03:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/31/18 03:20	
Acetone	ug/L	<20.0	20.0	03/31/18 03:20	
Acrylonitrile	ug/L	<2.0	2.0	03/31/18 03:20	
Benzene	ug/L	<1.0	1.0	03/31/18 03:20	
Bromobenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Bromochloromethane	ug/L	<1.0	1.0	03/31/18 03:20	
Bromodichloromethane	ug/L	<1.0	1.0	03/31/18 03:20	
Bromoform	ug/L	<1.0	1.0	03/31/18 03:20	
Bromomethane	ug/L	<5.0	5.0	03/31/18 03:20	
Carbon disulfide	ug/L	<5.0	5.0	03/31/18 03:20	
Carbon tetrachloride	ug/L	<1.0	1.0	03/31/18 03:20	
Chlorobenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Chloroethane	ug/L	<5.0	5.0	03/31/18 03:20	
Chloroform	ug/L	<1.0	1.0	03/31/18 03:20	
Chloromethane	ug/L	<5.0	5.0	03/31/18 03:20	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/31/18 03:20	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/31/18 03:20	
Dibromochloromethane	ug/L	<1.0	1.0	03/31/18 03:20	
Dibromomethane	ug/L	<1.0	1.0	03/31/18 03:20	
Dichlorodifluoromethane	ug/L	<5.0	5.0	03/31/18 03:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

METHOD BLANK: 76304

Matrix: Water

Associated Lab Samples: 469834002, 469834005, 469834018, 469834019, 469834020, 469834021, 469834022, 469834023, 469834024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diethyl ether (Ethyl ether)	ug/L	<1.0	1.0	03/31/18 03:20	
Ethylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Iodomethane	ug/L	<1.0	1.0	03/31/18 03:20	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/31/18 03:20	
m&p-Xylene	ug/L	<2.0	2.0	03/31/18 03:20	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	03/31/18 03:20	
Methylene Chloride	ug/L	<5.0	5.0	03/31/18 03:20	
n-Butylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
n-Propylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Naphthalene	ug/L	<5.0	5.0	03/31/18 03:20	
o-Xylene	ug/L	<1.0	1.0	03/31/18 03:20	
p-Isopropyltoluene	ug/L	<5.0	5.0	03/31/18 03:20	
sec-Butylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Styrene	ug/L	<1.0	1.0	03/31/18 03:20	
tert-Butylbenzene	ug/L	<1.0	1.0	03/31/18 03:20	
Tetrachloroethene	ug/L	<1.0	1.0	03/31/18 03:20	
Tetrahydrofuran	ug/L	<5.0	5.0	03/31/18 03:20	
Toluene	ug/L	<1.0	1.0	03/31/18 03:20	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/31/18 03:20	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/31/18 03:20	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	03/31/18 03:20	
Trichloroethene	ug/L	<1.0	1.0	03/31/18 03:20	
Trichlorofluoromethane	ug/L	<1.0	1.0	03/31/18 03:20	
Vinyl chloride	ug/L	<1.0	1.0	03/31/18 03:20	
1,2-Dichloroethane-d4 (S)	%.	100	87-122	03/31/18 03:20	
4-Bromofluorobenzene (S)	%.	90	82-110	03/31/18 03:20	
Dibromofluoromethane (S)	%.	101	85-118	03/31/18 03:20	
Toluene-d8 (S)	%.	100	85-113	03/31/18 03:20	

LABORATORY CONTROL SAMPLE: 76305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	40	42.9	107	84-122	
1,1,1-Trichloroethane	ug/L	40	42.2	106	81-122	
1,1,2,2-Tetrachloroethane	ug/L	40	37.4	94	70-137	
1,1,2-Trichloroethane	ug/L	40	42.7	107	83-121	
1,1-Dichloroethane	ug/L	40	41.2	103	80-118	
1,1-Dichloroethene	ug/L	40	42.9	107	77-123	
1,2,3-Trichlorobenzene	ug/L	40	40.1	100	74-125	
1,2,3-Trichloropropane	ug/L	40	40.4	101	78-134	
1,2,4-Trichlorobenzene	ug/L	40	39.8	99	75-125	
1,2,4-Trimethylbenzene	ug/L	40	41.5	104	83-124	
1,2-Dibromo-3-chloropropane	ug/L	40	46.9	117	58-130	
1,2-Dibromoethane (EDB)	ug/L	40	42.4	106	84-125	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	40	41.6	104	81-124	
1,2-Dichloroethane	ug/L	40	42.0	105	81-122	
1,2-Dichloropropane	ug/L	40	40.4	101	82-122	
1,3,5-Trimethylbenzene	ug/L	40	41.4	103	82-125	
1,3-Dichlorobenzene	ug/L	40	40.9	102	81-124	
1,4-Dichlorobenzene	ug/L	40	40.4	101	79-122	
2-Butanone (MEK)	ug/L	40	39.3	98	52-142	
2-Hexanone	ug/L	40	39.9	100	55-141	
2-Methylnaphthalene	ug/L	40	40.9	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.7	99	60-142	
Acetone	ug/L	40	47.8	120	53-138	
Acrylonitrile	ug/L	40	41.0	103	73-129	
Benzene	ug/L	40	41.4	104	84-119	
Bromobenzene	ug/L	40	39.3	98	79-127	
Bromochloromethane	ug/L	40	43.1	108	77-126	
Bromodichloromethane	ug/L	40	42.7	107	82-124	
Bromoform	ug/L	40	37.6	94	65-123	
Bromomethane	ug/L	40	42.4	106	55-142	
Carbon disulfide	ug/L	40	49.0	122	70-131	
Carbon tetrachloride	ug/L	40	41.7	104	79-127	
Chlorobenzene	ug/L	40	41.7	104	84-118	
Chloroethane	ug/L	40	44.1	110	76-124	
Chloroform	ug/L	40	41.8	104	82-119	
Chloromethane	ug/L	40	43.2	108	73-125	
cis-1,2-Dichloroethene	ug/L	40	41.2	103	84-119	
cis-1,3-Dichloropropene	ug/L	40	37.5	94	77-120	
Dibromochloromethane	ug/L	40	46.4	116	74-121	
Dibromomethane	ug/L	40	41.8	104	83-120	
Dichlorodifluoromethane	ug/L	40	45.3	113	68-130	
Diethyl ether (Ethyl ether)	ug/L	40	43.0	107	76-126	
Ethylbenzene	ug/L	40	43.0	107	87-119	
Iodomethane	ug/L	40	46.8	117	53-126	
Isopropylbenzene (Cumene)	ug/L	40	40.9	102	76-126	
m&p-Xylene	ug/L	80	85.4	107	86-119	
Methyl-tert-butyl ether	ug/L	40	40.1	100	72-128	
Methylene Chloride	ug/L	40	41.1	103	75-129	
n-Butylbenzene	ug/L	40	40.8	102	79-123	
n-Propylbenzene	ug/L	40	41.2	103	82-123	
Naphthalene	ug/L	40	39.2	98	65-125	
o-Xylene	ug/L	40	42.7	107	86-120	
p-Isopropyltoluene	ug/L	40	40.2	101	80-126	
sec-Butylbenzene	ug/L	40	40.2	101	81-122	
Styrene	ug/L	40	38.3	96	84-120	
tert-Butylbenzene	ug/L	40	40.5	101	80-122	
Tetrachloroethene	ug/L	40	40.5	101	81-117	
Tetrahydrofuran	ug/L	40	40.6	102	63-133	
Toluene	ug/L	40	42.0	105	85-118	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	40	42.1	105	76-126	
trans-1,3-Dichloropropene	ug/L	40	36.6	91	73-116	
trans-1,4-Dichloro-2-butene	ug/L	40	39.2	98	67-134	
Trichloroethene	ug/L	40	41.0	103	82-119	
Trichlorofluoromethane	ug/L	40	41.2	103	76-128	
Vinyl chloride	ug/L	40	45.7	114	77-123	
1,2-Dichloroethane-d4 (S)	%.			99	87-122	
4-Bromofluorobenzene (S)	%.			101	82-110	
Dibromofluoromethane (S)	%.			104	85-118	
Toluene-d8 (S)	%.			101	85-113	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

QC Batch:	19280	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 8260B	Analysis Description:	8260B MSV
Associated Lab Samples:	469834001, 469834003, 469834004, 469834006, 469834007, 469834008, 469834009, 469834010, 469834011, 469834013, 469834014, 469834015, 469834016, 469834017, 469834025		

METHOD BLANK:	76669	Matrix:	Water
Associated Lab Samples:	469834001, 469834003, 469834004, 469834006, 469834007, 469834008, 469834009, 469834010, 469834011, 469834013, 469834014, 469834015, 469834016, 469834017, 469834025		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/02/18 10:18	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	04/02/18 10:18	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	04/02/18 10:18	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	04/02/18 10:18	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	04/02/18 10:18	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/02/18 10:18	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/02/18 10:18	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/02/18 10:18	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/02/18 10:18	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/02/18 10:18	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/02/18 10:18	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/02/18 10:18	
2-Hexanone	ug/L	<5.0	5.0	04/02/18 10:18	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/02/18 10:18	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/02/18 10:18	
Acetone	ug/L	<20.0	20.0	04/02/18 10:18	
Acrylonitrile	ug/L	<2.0	2.0	04/02/18 10:18	
Benzene	ug/L	<1.0	1.0	04/02/18 10:18	
Bromobenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Bromochloromethane	ug/L	<1.0	1.0	04/02/18 10:18	
Bromodichloromethane	ug/L	<1.0	1.0	04/02/18 10:18	
Bromoform	ug/L	<1.0	1.0	04/02/18 10:18	
Bromomethane	ug/L	<5.0	5.0	04/02/18 10:18	
Carbon disulfide	ug/L	<5.0	5.0	04/02/18 10:18	
Carbon tetrachloride	ug/L	<1.0	1.0	04/02/18 10:18	
Chlorobenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Chloroethane	ug/L	<5.0	5.0	04/02/18 10:18	
Chloroform	ug/L	<1.0	1.0	04/02/18 10:18	
Chloromethane	ug/L	<5.0	5.0	04/02/18 10:18	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/02/18 10:18	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/02/18 10:18	
Dibromochloromethane	ug/L	<1.0	1.0	04/02/18 10:18	
Dibromomethane	ug/L	<1.0	1.0	04/02/18 10:18	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

METHOD BLANK: 76669

Matrix: Water

Associated Lab Samples: 469834001, 469834003, 469834004, 469834006, 469834007, 469834008, 469834009, 469834010, 469834011, 469834013, 469834014, 469834015, 469834016, 469834017, 469834025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	<5.0	5.0	04/02/18 10:18	
Diethyl ether (Ethyl ether)	ug/L	<1.0	1.0	04/02/18 10:18	
Ethylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Iodomethane	ug/L	<1.0	1.0	04/02/18 10:18	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/02/18 10:18	
m&p-Xylene	ug/L	<2.0	2.0	04/02/18 10:18	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	04/02/18 10:18	
Methylene Chloride	ug/L	<5.0	5.0	04/02/18 10:18	
n-Butylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
n-Propylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Naphthalene	ug/L	<5.0	5.0	04/02/18 10:18	
o-Xylene	ug/L	<1.0	1.0	04/02/18 10:18	
p-Isopropyltoluene	ug/L	<5.0	5.0	04/02/18 10:18	
sec-Butylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Styrene	ug/L	<1.0	1.0	04/02/18 10:18	
tert-Butylbenzene	ug/L	<1.0	1.0	04/02/18 10:18	
Tetrachloroethene	ug/L	<1.0	1.0	04/02/18 10:18	
Tetrahydrofuran	ug/L	<5.0	5.0	04/02/18 10:18	
Toluene	ug/L	<1.0	1.0	04/02/18 10:18	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/02/18 10:18	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/02/18 10:18	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	04/02/18 10:18	
Trichloroethene	ug/L	<1.0	1.0	04/02/18 10:18	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/02/18 10:18	
Vinyl chloride	ug/L	<1.0	1.0	04/02/18 10:18	
1,2-Dichloroethane-d4 (S)	%.	99	87-122	04/02/18 10:18	
4-Bromofluorobenzene (S)	%.	98	82-110	04/02/18 10:18	
Dibromofluoromethane (S)	%.	99	85-118	04/02/18 10:18	
Toluene-d8 (S)	%.	99	85-113	04/02/18 10:18	

LABORATORY CONTROL SAMPLE: 76670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	40	40.2	100	84-122	
1,1,1-Trichloroethane	ug/L	40	39.7	99	81-122	
1,1,2,2-Tetrachloroethane	ug/L	40	40.1	100	70-137	
1,1,2-Trichloroethane	ug/L	40	38.4	96	83-121	
1,1-Dichloroethane	ug/L	40	36.1	90	80-118	
1,1-Dichloroethene	ug/L	40	38.8	97	77-123	
1,2,3-Trichlorobenzene	ug/L	40	40.4	101	74-125	
1,2,3-Trichloropropane	ug/L	40	39.4	98	78-134	
1,2,4-Trichlorobenzene	ug/L	40	39.9	100	75-125	
1,2,4-Trimethylbenzene	ug/L	40	39.8	99	83-124	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	40	41.0	103	58-130	
1,2-Dibromoethane (EDB)	ug/L	40	40.4	101	84-125	
1,2-Dichlorobenzene	ug/L	40	39.2	98	81-124	
1,2-Dichloroethane	ug/L	40	37.6	94	81-122	
1,2-Dichloropropane	ug/L	40	39.7	99	82-122	
1,3,5-Trimethylbenzene	ug/L	40	40.0	100	82-125	
1,3-Dichlorobenzene	ug/L	40	39.5	99	81-124	
1,4-Dichlorobenzene	ug/L	40	38.1	95	79-122	
2-Butanone (MEK)	ug/L	40	41.7	104	52-142	
2-Hexanone	ug/L	40	42.7	107	55-141	
2-Methylnaphthalene	ug/L	40	44.1	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	40.4	101	60-142	
Acetone	ug/L	40	42.4	106	53-138	
Acrylonitrile	ug/L	40	38.8	97	73-129	
Benzene	ug/L	40	39.0	97	84-119	
Bromobenzene	ug/L	40	39.3	98	79-127	
Bromochloromethane	ug/L	40	38.5	96	77-126	
Bromodichloromethane	ug/L	40	40.7	102	82-124	
Bromoform	ug/L	40	34.0	85	65-123	
Bromomethane	ug/L	40	43.3	108	55-142	
Carbon disulfide	ug/L	40	42.3	106	70-131	
Carbon tetrachloride	ug/L	40	40.6	102	79-127	
Chlorobenzene	ug/L	40	38.8	97	84-118	
Chloroethane	ug/L	40	40.6	102	76-124	
Chloroform	ug/L	40	39.1	98	82-119	
Chloromethane	ug/L	40	34.0	85	73-125	
cis-1,2-Dichloroethene	ug/L	40	39.0	98	84-119	
cis-1,3-Dichloropropene	ug/L	40	42.1	105	77-120	
Dibromochloromethane	ug/L	40	44.6	111	74-121	
Dibromomethane	ug/L	40	38.7	97	83-120	
Dichlorodifluoromethane	ug/L	40	28.6	72	68-130	
Diethyl ether (Ethyl ether)	ug/L	40	38.5	96	76-126	
Ethylbenzene	ug/L	40	39.8	100	87-119	
Iodomethane	ug/L	40	44.8	112	53-126	
Isopropylbenzene (Cumene)	ug/L	40	40.0	100	76-126	
m&p-Xylene	ug/L	80	80.0	100	86-119	
Methyl-tert-butyl ether	ug/L	40	39.6	99	72-128	
Methylene Chloride	ug/L	40	37.6	94	75-129	
n-Butylbenzene	ug/L	40	41.7	104	79-123	
n-Propylbenzene	ug/L	40	39.7	99	82-123	
Naphthalene	ug/L	40	40.0	100	65-125	
o-Xylene	ug/L	40	39.6	99	86-120	
p-Isopropyltoluene	ug/L	40	40.0	100	80-126	
sec-Butylbenzene	ug/L	40	40.4	101	81-122	
Styrene	ug/L	40	40.8	102	84-120	
tert-Butylbenzene	ug/L	40	39.9	100	80-122	
Tetrachloroethene	ug/L	40	39.8	99	81-117	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrahydrofuran	ug/L	40	39.1	98	63-133	
Toluene	ug/L	40	38.9	97	85-118	
trans-1,2-Dichloroethene	ug/L	40	39.4	99	76-126	
trans-1,3-Dichloropropene	ug/L	40	42.0	105	73-116	
trans-1,4-Dichloro-2-butene	ug/L	40	43.9	110	67-134	
Trichloroethene	ug/L	40	39.1	98	82-119	
Trichlorofluoromethane	ug/L	40	37.8	95	76-128	
Vinyl chloride	ug/L	40	35.4	89	77-123	
1,2-Dichloroethane-d4 (S)	%.			100	87-122	
4-Bromofluorobenzene (S)	%.			101	82-110	
Dibromofluoromethane (S)	%.			99	85-118	
Toluene-d8 (S)	%.			99	85-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 76306 76307

Parameter	Units	MS 469834003		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max	
		Result	Spike Conc.	Spike Conc.	Result						RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	<10.0	400	400	396	407	99	102	77-131	3	10	
1,1,1-Trichloroethane	ug/L	<10.0	400	400	400	422	100	106	79-131	5	10	
1,1,2,2-Tetrachloroethane	ug/L	<10.0	400	400	406	413	101	103	71-129	2	10	
1,1,2-Trichloroethane	ug/L	<10.0	400	400	398	409	100	102	76-127	3	10	
1,1-Dichloroethane	ug/L	<10.0	400	400	386	386	96	96	76-129	0	13	
1,1-Dichloroethene	ug/L	<10.0	400	400	392	427	98	107	74-134	8	11	
1,2,3-Trichlorobenzene	ug/L	<50.0	400	400	390	403	98	101	68-131	3	14	
1,2,3-Trichloropropane	ug/L	<10.0	400	400	397	396	99	99	64-131	0	12	
1,2,4-Trichlorobenzene	ug/L	<50.0	400	400	386	398	97	100	66-131	3	15	
1,2,4-Trimethylbenzene	ug/L	<10.0	400	400	392	408	98	102	75-129	4	12	
1,2-Dibromo-3-chloropropane	ug/L	<50.0	400	400	392	405	98	101	55-126	3	16	
1,2-Dibromoethane (EDB)	ug/L	<10.0	400	400	409	414	102	104	78-125	1	9	
1,2-Dichlorobenzene	ug/L	<10.0	400	400	390	398	97	99	76-124	2	10	
1,2-Dichloroethane	ug/L	<10.0	400	400	397	403	99	101	74-131	1	9	
1,2-Dichloropropane	ug/L	<10.0	400	400	410	417	102	104	79-128	2	9	
1,3,5-Trimethylbenzene	ug/L	<10.0	400	400	391	407	98	102	75-128	4	10	
1,3-Dichlorobenzene	ug/L	<10.0	400	400	391	400	98	100	76-123	2	10	
1,4-Dichlorobenzene	ug/L	<10.0	400	400	380	394	95	99	75-121	4	10	
2-Butanone (MEK)	ug/L	<50.0	400	400	457	453	105	105	52-134	1	17	
2-Hexanone	ug/L	<50.0	400	400	423	430	106	107	53-134	2	15	
2-Methylnaphthalene	ug/L	<50.0	400	400	431	440	108	110	70-130	2	23	
4-Methyl-2-pentanone (MIBK)	ug/L	<50.0	400	400	403	406	101	101	55-139	1	15	
Acetone	ug/L	<200	400	400	474	465	115	113	46-145	2	17	
Acrylonitrile	ug/L	<20.0	400	400	409	406	102	102	66-132	1	16	
Benzene	ug/L	<10.0	400	400	397	414	99	104	80-129	4	9	
Bromobenzene	ug/L	<10.0	400	400	395	404	99	101	76-121	2	10	
Bromochloromethane	ug/L	<10.0	400	400	381	402	95	100	76-130	5	11	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

Parameter	Units	469834003		MSD		76307		MS % Rec	MSD % Rec	% Rec Limits	Max	
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	RPD RPD				Qual	
Bromodichloromethane	ug/L	<10.0	400	400	395	414	99	104	81-130	5	10	
Bromoform	ug/L	<10.0	400	400	286	278	71	70	60-122	3	12	
Bromomethane	ug/L	<50.0	400	400	193	313	48	78	44-140	47	35 R1	
Carbon disulfide	ug/L	<50.0	400	400	371	402	93	101	69-144	8	15	
Carbon tetrachloride	ug/L	<10.0	400	400	403	434	101	108	78-137	7	11	
Chlorobenzene	ug/L	<10.0	400	400	388	404	97	101	80-121	4	8	
Chloroethane	ug/L	<50.0	400	400	370	395	92	99	72-137	7	14	
Chloroform	ug/L	<10.0	400	400	401	416	100	104	79-128	4	9	
Chloromethane	ug/L	<50.0	400	400	329	349	82	87	72-134	6	11	
cis-1,2-Dichloroethene	ug/L	628	400	400	1040	1060	104	108	76-129	2	12	
cis-1,3-Dichloropropene	ug/L	<10.0	400	400	398	413	99	103	68-122	4	11	
Dibromochloromethane	ug/L	<10.0	400	400	405	411	101	103	70-126	1	10	
Dibromomethane	ug/L	<10.0	400	400	403	411	101	103	76-126	2	9	
Dichlorodifluoromethane	ug/L	<50.0	400	400	279	300	70	75	64-138	7	13	
Diethyl ether (Ethyl ether)	ug/L	<10.0	400	400	404	402	101	101	75-126	0	12	
Ethylbenzene	ug/L	<10.0	400	400	392	416	98	104	82-127	6	10	
Iodomethane	ug/L	<10.0	400	400	164	299	41	75	53-132	58	34 M1,R1	
Isopropylbenzene (Cumene)	ug/L	<10.0	400	400	394	410	98	103	73-131	4	12	
m&p-Xylene	ug/L	<20.0	800	800	790	823	99	103	77-130	4	9	
Methyl-tert-butyl ether	ug/L	<50.0	400	400	406	414	101	104	65-131	2	15	
Methylene Chloride	ug/L	<50.0	400	400	382	403	95	100	75-133	5	10	
n-Butylbenzene	ug/L	<10.0	400	400	399	412	100	103	74-130	3	12	
n-Propylbenzene	ug/L	<10.0	400	400	391	418	98	105	78-128	7	11	
Naphthalene	ug/L	<50.0	400	400	402	405	100	101	56-135	1	15	
o-Xylene	ug/L	<10.0	400	400	396	401	99	100	79-129	1	9	
p-Isopropyltoluene	ug/L	<50.0	400	400	384	402	96	100	78-126	5	11	
sec-Butylbenzene	ug/L	<10.0	400	400	390	409	97	102	77-127	5	12	
Styrene	ug/L	<10.0	400	400	406	416	101	104	75-129	3	10	
tert-Butylbenzene	ug/L	<10.0	400	400	389	407	97	102	77-126	5	11	
Tetrachloroethene	ug/L	<10.0	400	400	386	410	96	103	75-126	6	10	
Tetrahydrofuran	ug/L	<50.0	400	400	402	390	100	97	56-137	3	19	
Toluene	ug/L	<10.0	400	400	394	407	99	102	79-129	3	9	
trans-1,2-Dichloroethene	ug/L	14.2	400	400	414	428	100	103	71-137	3	15	
trans-1,3-Dichloropropene	ug/L	<10.0	400	400	399	413	100	103	66-117	3	12	
trans-1,4-Dichloro-2-butene	ug/L	<10.0	400	400	244	239	61	60	54-135	2	16	
Trichloroethene	ug/L	941	400	400	1340	1410	100	118	75-127	5	10	
Trichlorofluoromethane	ug/L	<10.0	400	400	395	419	99	105	70-141	6	11	
Vinyl chloride	ug/L	<10.0	400	400	354	375	88	93	73-136	6	12	
1,2-Dichloroethane-d4 (S)	%.						101	99	87-122			
4-Bromofluorobenzene (S)	%.						99	101	82-110			
Dibromofluoromethane (S)	%.						100	101	85-118			
Toluene-d8 (S)	%.						100	100	85-113			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

QC Batch:	19374	Analysis Method:	EPA 8260B
QC Batch Method:	EPA 8260B	Analysis Description:	8260B MSV
Associated Lab Samples:	469834012		

METHOD BLANK: 76911 Matrix: Water

Associated Lab Samples: 469834012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/03/18 09:14	
1,2,3-Trichlorobenzene	ug/L	<5.0	5.0	04/03/18 09:14	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	04/03/18 09:14	
1,2,4-Trichlorobenzene	ug/L	<5.0	5.0	04/03/18 09:14	
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	5.0	04/03/18 09:14	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/03/18 09:14	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/03/18 09:14	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/03/18 09:14	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/03/18 09:14	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/03/18 09:14	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/03/18 09:14	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/03/18 09:14	
2-Hexanone	ug/L	<5.0	5.0	04/03/18 09:14	
2-Methylnaphthalene	ug/L	<5.0	5.0	04/03/18 09:14	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/03/18 09:14	
Acetone	ug/L	<20.0	20.0	04/03/18 09:14	
Acrylonitrile	ug/L	<2.0	2.0	04/03/18 09:14	
Benzene	ug/L	<1.0	1.0	04/03/18 09:14	
Bromobenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Bromochloromethane	ug/L	<1.0	1.0	04/03/18 09:14	
Bromodichloromethane	ug/L	<1.0	1.0	04/03/18 09:14	
Bromoform	ug/L	<1.0	1.0	04/03/18 09:14	
Bromomethane	ug/L	<5.0	5.0	04/03/18 09:14	
Carbon disulfide	ug/L	<5.0	5.0	04/03/18 09:14	
Carbon tetrachloride	ug/L	<1.0	1.0	04/03/18 09:14	
Chlorobenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Chloroethane	ug/L	<5.0	5.0	04/03/18 09:14	
Chloroform	ug/L	<1.0	1.0	04/03/18 09:14	
Chloromethane	ug/L	<5.0	5.0	04/03/18 09:14	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/03/18 09:14	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/03/18 09:14	
Dibromochloromethane	ug/L	<1.0	1.0	04/03/18 09:14	
Dibromomethane	ug/L	<1.0	1.0	04/03/18 09:14	
Dichlorodifluoromethane	ug/L	<5.0	5.0	04/03/18 09:14	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

METHOD BLANK: 76911

Matrix: Water

Associated Lab Samples: 469834012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diethyl ether (Ethyl ether)	ug/L	<1.0	1.0	04/03/18 09:14	
Ethylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Iodomethane	ug/L	<1.0	1.0	04/03/18 09:14	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/03/18 09:14	
m&p-Xylene	ug/L	<2.0	2.0	04/03/18 09:14	
Methyl-tert-butyl ether	ug/L	<5.0	5.0	04/03/18 09:14	
Methylene Chloride	ug/L	<5.0	5.0	04/03/18 09:14	
n-Butylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
n-Propylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Naphthalene	ug/L	<5.0	5.0	04/03/18 09:14	
o-Xylene	ug/L	<1.0	1.0	04/03/18 09:14	
p-Isopropyltoluene	ug/L	<5.0	5.0	04/03/18 09:14	
sec-Butylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Styrene	ug/L	<1.0	1.0	04/03/18 09:14	
tert-Butylbenzene	ug/L	<1.0	1.0	04/03/18 09:14	
Tetrachloroethene	ug/L	<1.0	1.0	04/03/18 09:14	
Tetrahydrofuran	ug/L	<5.0	5.0	04/03/18 09:14	
Toluene	ug/L	<1.0	1.0	04/03/18 09:14	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/03/18 09:14	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/03/18 09:14	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	04/03/18 09:14	
Trichloroethene	ug/L	<1.0	1.0	04/03/18 09:14	
Trichlorofluoromethane	ug/L	<1.0	1.0	04/03/18 09:14	
Vinyl chloride	ug/L	<1.0	1.0	04/03/18 09:14	
1,2-Dichloroethane-d4 (S)	%.	104	87-122	04/03/18 09:14	
4-Bromofluorobenzene (S)	%.	100	82-110	04/03/18 09:14	
Dibromofluoromethane (S)	%.	99	85-118	04/03/18 09:14	
Toluene-d8 (S)	%.	101	85-113	04/03/18 09:14	

LABORATORY CONTROL SAMPLE: 76912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	40	36.6	92	84-122	
1,1,1-Trichloroethane	ug/L	40	42.5	106	81-122	
1,1,2,2-Tetrachloroethane	ug/L	40	39.4	98	70-137	
1,1,2-Trichloroethane	ug/L	40	41.3	103	83-121	
1,1-Dichloroethane	ug/L	40	41.8	105	80-118	
1,1-Dichloroethene	ug/L	40	41.9	105	77-123	
1,2,3-Trichlorobenzene	ug/L	40	38.1	95	74-125	
1,2,3-Trichloropropane	ug/L	40	40.7	102	78-134	
1,2,4-Trichlorobenzene	ug/L	40	38.5	96	75-125	
1,2,4-Trimethylbenzene	ug/L	40	38.1	95	83-124	
1,2-Dibromo-3-chloropropane	ug/L	40	37.6	94	58-130	
1,2-Dibromoethane (EDB)	ug/L	40	41.9	105	84-125	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	40	38.2	96	81-124	
1,2-Dichloroethane	ug/L	40	42.0	105	81-122	
1,2-Dichloropropane	ug/L	40	41.4	104	82-122	
1,3,5-Trimethylbenzene	ug/L	40	38.5	96	82-125	
1,3-Dichlorobenzene	ug/L	40	37.7	94	81-124	
1,4-Dichlorobenzene	ug/L	40	37.5	94	79-122	
2-Butanone (MEK)	ug/L	40	42.4	106	52-142	
2-Hexanone	ug/L	40	42.6	107	55-141	
2-Methylnaphthalene	ug/L	40	27.2	68	70-130 L2	
4-Methyl-2-pentanone (MIBK)	ug/L	40	43.2	108	60-142	
Acetone	ug/L	40	50.9	127	53-138	
Acrylonitrile	ug/L	40	42.3	106	73-129	
Benzene	ug/L	40	40.5	101	84-119	
Bromobenzene	ug/L	40	39.0	98	79-127	
Bromochloromethane	ug/L	40	41.6	104	77-126	
Bromodichloromethane	ug/L	40	37.6	94	82-124	
Bromoform	ug/L	40	38.8	97	65-123	
Bromomethane	ug/L	40	49.0	122	55-142	
Carbon disulfide	ug/L	40	42.9	107	70-131	
Carbon tetrachloride	ug/L	40	37.6	94	79-127	
Chlorobenzene	ug/L	40	38.3	96	84-118	
Chloroethane	ug/L	40	38.8	97	76-124	
Chloroform	ug/L	40	41.9	105	82-119	
Chloromethane	ug/L	40	41.9	105	73-125	
cis-1,2-Dichloroethene	ug/L	40	42.0	105	84-119	
cis-1,3-Dichloropropene	ug/L	40	36.6	92	77-120	
Dibromochloromethane	ug/L	40	35.7	89	74-121	
Dibromomethane	ug/L	40	42.3	106	83-120	
Dichlorodifluoromethane	ug/L	40	38.6	97	68-130	
Diethyl ether (Ethyl ether)	ug/L	40	43.2	108	76-126	
Ethylbenzene	ug/L	40	38.7	97	87-119	
Iodomethane	ug/L	40	64.4	161	53-126 L1	
Isopropylbenzene (Cumene)	ug/L	40	38.8	97	76-126	
m&p-Xylene	ug/L	80	77.3	97	86-119	
Methyl-tert-butyl ether	ug/L	40	41.8	104	72-128	
Methylene Chloride	ug/L	40	39.9	100	75-129	
n-Butylbenzene	ug/L	40	36.9	92	79-123	
n-Propylbenzene	ug/L	40	37.8	95	82-123	
Naphthalene	ug/L	40	38.7	97	65-125	
o-Xylene	ug/L	40	39.5	99	86-120	
p-Isopropyltoluene	ug/L	40	37.1	93	80-126	
sec-Butylbenzene	ug/L	40	37.6	94	81-122	
Styrene	ug/L	40	39.7	99	84-120	
tert-Butylbenzene	ug/L	40	38.2	96	80-122	
Tetrachloroethene	ug/L	40	37.8	94	81-117	
Tetrahydrofuran	ug/L	40	41.4	103	63-133	
Toluene	ug/L	40	40.6	101	85-118	

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QUALITY CONTROL DATA

Project: Tecumseh Products GW
Pace Project No.: 469834

LABORATORY CONTROL SAMPLE: 76912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,2-Dichloroethene	ug/L	40	41.1	103	76-126	
trans-1,3-Dichloropropene	ug/L	40	36.2	90	73-116	
trans-1,4-Dichloro-2-butene	ug/L	40	35.0	87	67-134	
Trichloroethene	ug/L	40	42.2	105	82-119	
Trichlorofluoromethane	ug/L	40	43.4	108	76-128	
Vinyl chloride	ug/L	40	39.9	100	77-123	
1,2-Dichloroethane-d4 (S)	%.			102	87-122	
4-Bromofluorobenzene (S)	%.			102	82-110	
Dibromofluoromethane (S)	%.			104	85-118	
Toluene-d8 (S)	%.			101	85-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 76913

Parameter	Units	76914									
		4610054022	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD
1,1,1,2-Tetrachloroethane	ug/L	1.0 U	40	40	35.4	36.6	89	91	77-131	3	10
1,1,1-Trichloroethane	ug/L	1.0 U	40	40	41.9	42.7	105	107	79-131	2	10
1,1,2,2-Tetrachloroethane	ug/L	1.0 U	40	40	40.5	40.9	101	102	71-129	1	10
1,1,2-Trichloroethane	ug/L	1.0 U	40	40	41.9	41.9	105	105	76-127	0	10
1,1-Dichloroethane	ug/L	1.0 U	40	40	41.5	41.9	104	105	76-129	1	13
1,1-Dichloroethene	ug/L	1.0 U	40	40	42.3	43.0	106	107	74-134	2	11
1,2,3-Trichlorobenzene	ug/L	1.0 U	40	40	38.7	39.3	97	98	68-131	1	14
1,2,3-Trichloropropane	ug/L	1.0 U	40	40	40.9	41.0	102	103	64-131	0	12
1,2,4-Trichlorobenzene	ug/L	1.0 U	40	40	39.2	39.7	98	99	66-131	1	15
1,2,4-Trimethylbenzene	ug/L	1.0 U	40	40	38.5	39.4	96	99	75-129	2	12
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	40	40	36.3	37.9	91	95	55-126	4	16
1,2-Dibromoethane (EDB)	ug/L	1.0 U	40	40	41.6	42.6	104	107	78-125	2	9
1,2-Dichlorobenzene	ug/L	1.0 U	40	40	38.2	39.1	96	98	76-124	2	10
1,2-Dichloroethane	ug/L	1.0 U	40	40	42.2	43.3	106	108	74-131	3	9
1,2-Dichloropropane	ug/L	1.0 U	40	40	41.7	41.9	104	105	79-128	0	9
1,3,5-Trimethylbenzene	ug/L	1.0 U	40	40	38.8	39.2	97	98	75-128	1	10
1,3-Dichlorobenzene	ug/L	1.0 U	40	40	37.7	39.2	94	98	76-123	4	10
1,4-Dichlorobenzene	ug/L	1.0 U	40	40	37.7	38.5	94	96	75-121	2	10
2-Butanone (MEK)	ug/L	5.0 U	40	40	45.4	44.7	113	112	52-134	2	17
2-Hexanone	ug/L	5.0 U	40	40	45.5	45.2	114	113	53-134	0	15
2-Methylnaphthalene	ug/L	5.0 U	40	40	29.4	29.4	74	74	70-130	0	23
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	40	46.0	45.2	115	113	55-139	2	15
Acetone	ug/L	5.0 U	40	40	46.9	46.5	117	116	46-145	1	17
Acrylonitrile	ug/L	1.0 U	40	40	43.3	42.7	108	107	66-132	1	16
Benzene	ug/L	1.0 U	40	40	40.4	40.7	101	102	80-129	1	9
Bromobenzene	ug/L	1.0 U	40	40	39.0	39.1	97	98	76-121	0	10
Bromochloromethane	ug/L	1.0 U	40	40	41.9	42.2	105	105	76-130	1	11
Bromodichloromethane	ug/L	1.0 U	40	40	35.8	36.9	89	92	81-130	3	10
Bromoform	ug/L	1.0 U	40	40	35.6	37.9	89	95	60-122	6	12

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QUALITY CONTROL DATA

Project: Tecumseh Products GW

Pace Project No.: 469834

Parameter	Units	4610054022		MS		MSD		76914		% Rec	Limits	RPD	Max
		Result	Spike Conc.	Spike Conc.	MS Result	MSD	MS % Rec	MSD % Rec	Qual				
Bromomethane	ug/L	1.0 U	40	40	35.3	46.1	88	115	44-140	27	35		
Carbon disulfide	ug/L	5.0 U	40	40	40.0	44.0	100	110	69-144	9	15		
Carbon tetrachloride	ug/L	1.0 U	40	40	36.0	37.8	90	95	78-137	5	11		
Chlorobenzene	ug/L	1.0 U	40	40	38.5	39.0	96	98	80-121	1	8		
Chloroethane	ug/L	1.0 U	40	40	38.8	38.7	97	97	72-137	0	14		
Chloroform	ug/L	1.0 U	40	40	41.9	42.2	105	106	79-128	1	9		
Chloromethane	ug/L	1.0 U	40	40	40.6	40.6	102	102	72-134	0	11		
cis-1,2-Dichloroethene	ug/L	1.0 U	40	40	41.8	42.3	104	106	76-129	1	12		
cis-1,3-Dichloropropene	ug/L	1.0 U	40	40	37.3	38.1	93	95	68-122	2	11		
Dibromochloromethane	ug/L	1.0 U	40	40	32.7	34.8	82	87	70-126	6	10		
Dibromomethane	ug/L	1.0 U	40	40	42.0	43.3	105	108	76-126	3	9		
Dichlorodifluoromethane	ug/L	1.0 U	40	40	37.7	37.2	94	93	64-138	1	13		
Diethyl ether (Ethyl ether)	ug/L	1.0 U	40	40	43.9	45.1	110	113	75-126	3	12		
Ethylbenzene	ug/L	1.0 U	40	40	38.6	39.2	96	98	82-127	1	10		
Iodomethane	ug/L	1.0 U	40	40	51.3	69.5	128	174	53-132	30	34 M0		
Isopropylbenzene (Cumene)	ug/L	1.0 U	40	40	38.9	39.9	97	100	73-131	2	12		
m&p-Xylene	ug/L	2.0 U	80	80	78.0	79.7	98	100	77-130	2	9		
Methyl-tert-butyl ether	ug/L	1.0 U	40	40	42.4	42.7	106	107	65-131	1	15		
Methylene Chloride	ug/L	1.0 U	40	40	40.7	40.5	102	101	75-133	0	10		
n-Butylbenzene	ug/L	1.0 U	40	40	38.8	39.3	97	98	74-130	1	12		
n-Propylbenzene	ug/L	1.0 U	40	40	38.0	38.6	95	97	78-128	2	11		
Naphthalene	ug/L	5.0 U	40	40	39.1	39.7	98	99	56-135	1	15		
o-Xylene	ug/L	1.0 U	40	40	39.4	40.3	98	101	79-129	2	9		
p-Isopropyltoluene	ug/L	1.0 U	40	40	37.9	39.3	95	98	78-126	3	11		
sec-Butylbenzene	ug/L	1.0 U	40	40	38.1	39.0	95	97	77-127	2	12		
Styrene	ug/L	1.0 U	40	40	40.0	40.7	100	102	75-129	2	10		
tert-Butylbenzene	ug/L	1.0 U	40	40	38.4	39.1	96	98	77-126	2	11		
Tetrachloroethene	ug/L	1.0 U	40	40	38.1	38.7	95	97	75-126	2	10		
Tetrahydrofuran	ug/L	5.0 U	40	40	42.9	42.0	106	104	56-137	2	19		
Toluene	ug/L	1.0 U	40	40	40.6	40.8	101	102	79-129	0	9		
trans-1,2-Dichloroethene	ug/L	1.0 U	40	40	40.9	41.6	102	104	71-137	2	15		
trans-1,3-Dichloropropene	ug/L	1.0 U	40	40	37.3	38.2	93	96	66-117	2	12		
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	40	40	38.8	38.8	97	97	54-135	0	16		
Trichloroethene	ug/L	46.1	40	40	80.0	80.8	85	87	75-127	1	10		
Trichlorofluoromethane	ug/L	1.0 U	40	40	42.5	43.7	106	109	70-141	3	11		
Vinyl chloride	ug/L	1.0 U	40	40	39.1	39.6	98	99	73-136	1	12		
1,2-Dichloroethane-d4 (S)	%.						104	101	87-122				
4-Bromofluorobenzene (S)	%.						102	103	82-110				
Dibromofluoromethane (S)	%.						102	103	85-118				
Toluene-d8 (S)	%.						102	101	85-113				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Tecumseh Products GW

Pace Project No.: 469834

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| L1 | Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| R1 | RPD value was outside control limits. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tecumseh Products GW
 Pace Project No.: 469834

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
469834001	MW-45s	EPA 8260B	19280		
469834002	MW-45i	EPA 8260B	19186		
469834003	MW-45d	EPA 8260B	19280		
469834004	MW-48s	EPA 8260B	19280		
469834005	PRB-02i	EPA 8260B	19186		
469834006	MW-50s	EPA 8260B	19280		
469834007	MW-50i	EPA 8260B	19280		
469834008	MW-50d	EPA 8260B	19280		
469834009	MW-51	EPA 8260B	19280		
469834010	MW-49s	EPA 8260B	19280		
469834011	MW-49d	EPA 8260B	19280		
469834012	Dup-01	EPA 8260B	19374		
469834013	MW-47d	EPA 8260B	19280		
469834014	MW-46d	EPA 8260B	19280		
469834015	MW-42s	EPA 8260B	19280		
469834016	MW-42d	EPA 8260B	19280		
469834017	Dup-02	EPA 8260B	19280		
469834018	TB-01	EPA 8260B	19186		
469834019	SP-01	EPA 8260B	19186		
469834020	SP-02	EPA 8260B	19186		
469834021	SP-03	EPA 8260B	19186		
469834022	PW-01	EPA 8260B	19186		
469834023	PW-04	EPA 8260B	19186		
469834024	PW-07	EPA 8260B	19186		
469834025	EB-01	EPA 8260B	19280		

REPORT OF LABORATORY ANALYSIS

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469834



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B

Section C

Page : 3 Of 3

Client Information:



SAMPLE RECEIVING / LOG-IN CHECKLIST

SAMPLE RECEIVING / LOG-IN CHECKLIST			
 Client <i>TRC</i> Receipt Record Page/Line # <i>8-29</i>		Work Order #: <i>469834</i> New / Add To Project Chemist Sample #	
Recorded by (initials/date) <i>SN 3-22-18</i>		<input type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other	
		City Received <i>1</i> <input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Thermometer Used <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (# <i>303</i>)	
		<input type="checkbox"/> See Additional Cooler Information Form	
Cooler # <i>000124</i> Time <i>9:32</i> Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Cooler # Time Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact	
Coolant Type: <input checked="" type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None		Cooler # Time Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact	
Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None	
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No If Present, Temperature Blank Location is: <input checked="" type="checkbox"/> Representative <input type="checkbox"/> Not Representative		Coolant Location: Dispersed / Top / Middle / Bottom	
	Observed °C	Correction Factor °C	Actual °C
Temp Blank:	<i>5.00</i>	<i>5.0</i>	<i>5.0</i>
Sample 1:	<i>7.30</i>	<i>7.3</i>	
Sample 2:	<i>7.70</i>	<i>7.7</i>	
Sample 3:	<i>8.10</i>	<i>8.1</i>	
3 Sample Average °C: <i>7.7</i>			
<input type="checkbox"/> Cooler ID on COC? <input checked="" type="checkbox"/> VOC Trip Blank received?			
Cooler # Time Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact			
Coolant Type: <input type="checkbox"/> Loose Ice <input type="checkbox"/> Bagged Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None			
Coolant Location: Dispersed / Top / Middle / Bottom			
Temp Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No If Present, Temperature Blank Location is: <input type="checkbox"/> Representative <input type="checkbox"/> Not Representative			
	Observed °C	Correction Factor °C	Actual °C
Temp Blank:			
Sample 1:			
Sample 2:			
Sample 3:			
3 Sample Average °C:			
<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?			

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received		Check Sample Preservation		
Yes	No	N/A	Yes	
<input checked="" type="checkbox"/>	<input type="checkbox"/> Chain of Custody record(s)? If No, Initiated By _____	<input type="checkbox"/>	No <input checked="" type="checkbox"/> Temperature Blank OR average sample temperature, $\geq 6^{\circ}$ C?	
<input checked="" type="checkbox"/>	Received for Lab Signed/Date/Time?	<input type="checkbox"/>	<input type="checkbox"/> If either is $\geq 6^{\circ}$ C, was thermal preservation required?	
<input type="checkbox"/>	<input checked="" type="checkbox"/> Shipping document?	<input type="checkbox"/>	If "Yes", Project Chemist Approval Initials: _____	
<input type="checkbox"/>	<input checked="" type="checkbox"/> Other _____	<input type="checkbox"/>	If "Yes" Completed Non Con Cooler - Cont Inventory Form?	
COC Information		Completed Sample Preservation Verification Form?		
<input checked="" type="checkbox"/> Pace COC	<input type="checkbox"/> Other _____	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Samples chemically preserved correctly?	
COC ID Numbers: <u>18639, 18640, 18641</u>		<input checked="" type="checkbox"/>	If "No", added orange tag?	
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Received pre-preserved VOC soils?	
		<input type="checkbox"/>	<input type="checkbox"/> MeOH <input type="checkbox"/> Na ₂ SO ₄	
Check COC for Accuracy		Check for Short Hold-Time Prep/Analyses		
Yes	No	<input type="checkbox"/> Bacteriological	AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)	
<input type="checkbox"/>	<input checked="" type="checkbox"/> Analysis Requested?	<input type="checkbox"/> Air Bags	<input type="checkbox"/> NONE RECEIVED	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sample ID matches COC?	<input type="checkbox"/> EnCores / Methanol Pre-Preserved	<input type="checkbox"/> RECEIVED, COCs TO LAB(S)	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Sample Date and Time matches COC?	<input type="checkbox"/> Formaldehyde/Aldehyde		
<input type="checkbox"/>	Container type completed on COC?	<input type="checkbox"/> Green-tagged containers		
<input type="checkbox"/>	<input checked="" type="checkbox"/> All container types indicated are received?	<input type="checkbox"/> Yellow/White-tagged 1 L ambers (SV Prep-Lab)		
Sample Condition Summary		Notes		
N/A	Yes	No		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Broken containers/lids?	<input type="checkbox"/> Trip Blank received		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Missing or incomplete labels?	<input type="checkbox"/> Trip Blank not listed on COC		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Illegible information on labels?			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Low volume received?			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Inappropriate or non-Pace containers received?			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> VOC vials / TOX containers have headspace?			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Extra sample locations / containers not listed on COC?			
		Cooler Received (Date/Time) <u>04/3/22/18</u> Paperwork Delivered (Date/Time) <u>3/22/18</u> \leq 1 Hour Goal Met? Yes / No <u>Yes / No</u>		



Pace Analytical

SAMPLE RECEIVING NON-CONFORMANCE REPORT

Work Order # Project Chemist
Client JRC Receipt Log # Completed By (initials/date) 7-19

List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

Client	JSC	Completed By (initials/date)	24/33-22-18
Receipt Log #	J-29	Work Order #	469834

General Comments:

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Technical Memorandum

**Attachment 3
Data Validation Report**

Technical Memorandum

Laboratory Data Quality Review

Quarterly Groundwater Sampling Former Tecumseh Products Company Site Tecumseh, Michigan

Fifteen groundwater samples, two duplicate samples, six surface water samples, one equipment blank, and one trip blank, were collected by TRC from March 20 through March 21, 2018. The samples were analyzed by Pace Analytical (Pace), located in Grand Rapids, Michigan. The samples were analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B. Sample analysis was completed following protocols specified in the Quality Assurance Project Plan (QAPP) for the former Tecumseh Products Company (TPC) site in Tecumseh, Michigan. TRC performed a data quality review of the laboratory data contained in lab report 469834. The following sections summarize the data quality review procedure and the results of the review.

Data Quality Review Procedures

The analytical data were reviewed using the USEPA National Functional Guidelines for Superfund Organic Methods Data Review (USEPA, 2016). The USEPA National Functional Guidelines were written for Contract Laboratory Program (CLP) methods. Professional judgment was used in applying the guidance to the groundwater matrix for the non-CLP methodologies (i.e., 8260B). The following items were included in the evaluation of the data:

- Consistency between laboratory report, electronic data deliverables (EDD), and chain-of-custody (COC)
- Sample receipt temperature and sample preservation
- Technical holding times for analyses
- Results for trip blanks, equipment blanks, method blanks, laboratory control samples (LCS), matrix spikes (MS), and matrix spike duplicates (MSD)
- Field duplicate precision
- Surrogate recoveries
- Sensitivity (i.e., achievement of required reporting limits [RLs])
- Calibration non-conformances, as noted in the report narrative
- Overall usability of the data.

This data quality review addresses the following items:

- Usability of the data if quality control (QC) results suggest potential problems with all or some of the data;

Technical Memorandum

- Potential sample contamination due to blank contributions; and
- Actions regarding specific QC criteria exceedances.

Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The data packages were found to contain all the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- There was a discrepancy between the chain of custody and laboratory report. The chain of custody reports the sample collection time for MW-45i as 13:20, but the laboratory report uses the sample time of 13:30. The sample date for MW-49d on the chain of custody is 3/21/2018, but is 3/20/2018 in the laboratory report. The sample time for SP-03 on the chain of custody is written incorrectly as 1:00, but the sample time reported in the laboratory report is correct as 10:00. None of these discrepancies affect data quality or usability.
- The laboratory met technical holding times for all samples.
- One of two VOA bottles for sample SP-01 had headspace. The laboratory analyzed the sample bottle without headspace; therefore, data usability is not affected.
- Samples were properly preserved.
- The laboratory noted that the temperature blank was received at an appropriate temperature and that the location of the temperature blank was representative. However, the laboratory also noted that some samples arrived at the lab with temperatures above 6.0°C and that the average sample temperature was 7.7°C. As such, sample results are considered approximate. Sample results for the March 2018 sampling event are comparable to historical data.
- The laboratory analyzed three method blanks, one equipment blank (EB-01) and one trip blank (TB-01) for VOCs. No target analytes were detected in the VOC method blanks, equipment blank or trip blank.
- The laboratory performed an LCS with each analytical batch. Recoveries for select compounds were reported and were within the laboratory control limits, with the following exceptions:
 - The recovery of 2-Methylnaphthalene in LCS 76912 was below the lower laboratory control limits. 2-Methylnaphthalene results are potentially biased low. 2-Methylnaphthalene has not been historically detected in the groundwater samples from the monitoring wells sampled during this event. As such, the low LCS recovery is not expected to have impacted the reported results.
 - The recovery of iodomethane in LCS 76912 was above the upper laboratory control limits. Iodomethane was not detected above laboratory reporting limits in any sample. Data usability is not affected.

Technical Memorandum

- The laboratory performed MS/MSD analyses on sample MW-45d for VOCs. Recoveries and relative percent differences (RPDs) were within laboratory control limits, with the following exceptions:
 - The bromomethane RPD for the MS/MSD performed on sample MW-45d for batch 19280 was above QC limits. Bromomethane was not detected above laboratory reporting limits in any sample analyzed with the same batch. Bromomethane has not been historically detected in the groundwater samples from the monitoring wells sampled during this event. As such, the high RPD for the MS/MSD is not expected to have impacted the reported results.
 - The iodomethane recovery in the MS was below the lower laboratory control limits, and the RPD for the MS/MSD pair was above QC limits for batch 19280. Iodomethane results are potentially biased low. Iodomethane was not detected above laboratory reporting limits in any sample analyzed with same batch. Iodomethane has not been historically detected in the groundwater wells sampled during this sampling event. As such, the low recovery and high RPD is not expected to have impacted the reported results.
- Two field duplicates were collected. DUP-01 for groundwater corresponds with sample MW-42d, and DUP-02 for surface water corresponds with SP-03. RPDs were within control limits.
- Surrogate recoveries were within control limits.
- Dilutions were performed on some samples, due to the concentrations of select target compounds which would have exceeded the calibration range if analyzed undiluted. RLs were elevated accordingly.
- Continuing calibration verification (CCV) recoveries were outside the acceptance limits as follows:
 - The recovery of dichlorodifluoromethane in the CCV was below the lower laboratory control limits for select samples in laboratory work order 469834. Potentially affected samples include MW-42s, MW-42d, MW-45s, MW-45d, MW-46d, MW-47d, MW-48s, MW-49s, MW-49d, MW-50s, MW-50i, MW-50d, MW-51, Dup-02, and EB-01. Dichlorodifluoromethane was not detected in this event or any other groundwater sampling event over more than 6 years of routine monitoring. As such, the low CCV recovery of dibromodifluoromethane is not expected to have impacted the reported results. Therefore, no data qualifiers were assigned.

Prepared by: Jane Li

Reviewed by: Stacy Metz